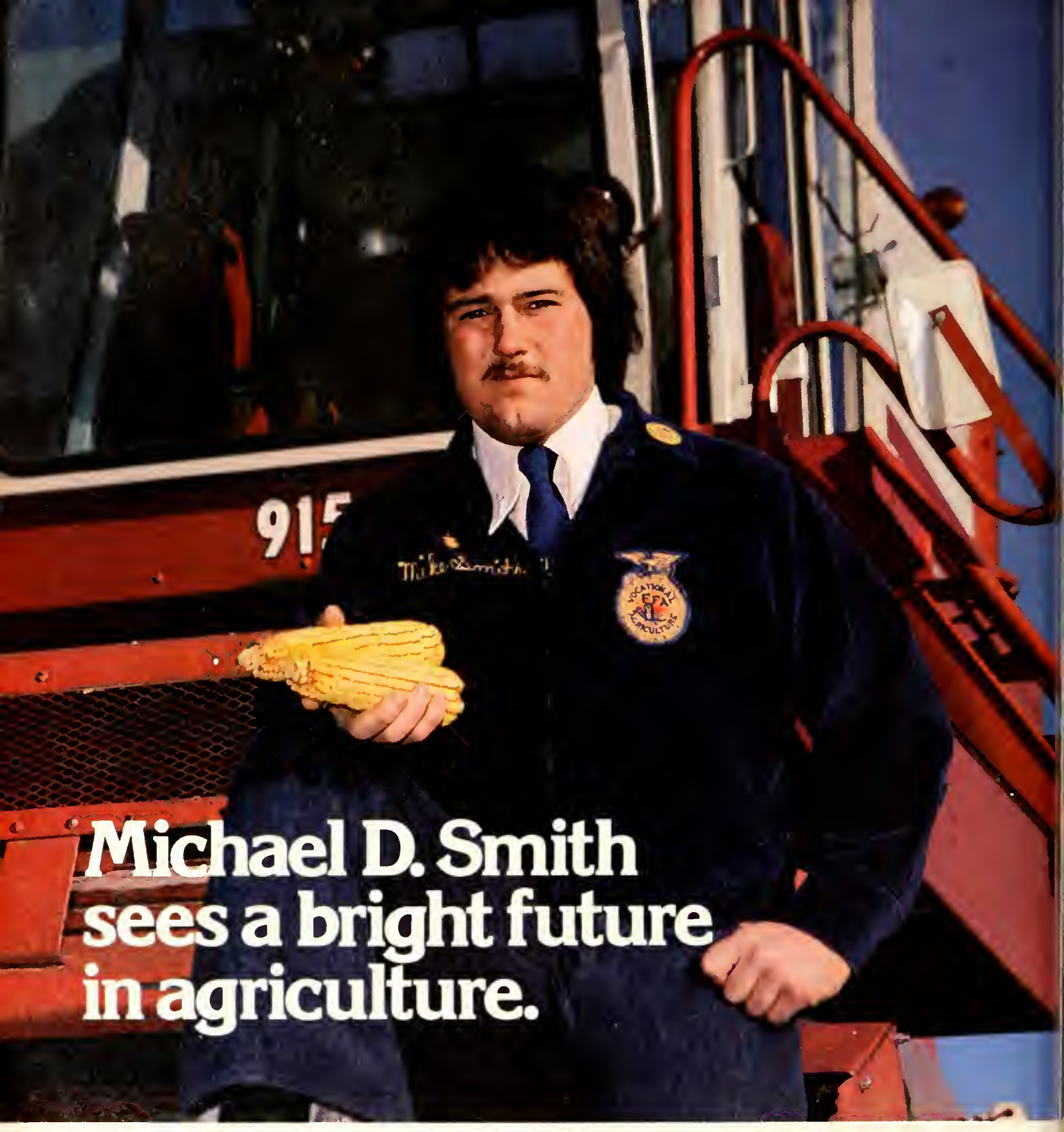
The National

Future Farmer

August-September, 1976

Owned and Published by the Future Farmers of America



Michael D. Smith sees a bright future in agriculture.

The new National FFA Crop Production Proficiency Award program winner is from Jewell, Iowa. Mike looks ahead to a bright future in agriculture for himself, and the thousands of other FFA members.

We would also like to salute the other three regional winners. Ronnie J. Curry, Sterling, Oklahoma (Western); Jeffery C. Miller, Kutztown, Pennsylvania, (Eastern); and Ronald Jones, Covington, Tennessee (Southern).

The key to future farm production is in your hands. And they are capable hands, indeed. We at Funk's are proud to be associated with the Future Farmers of America, as sponsor of the Crop Production Proficiency Award program.

We look forward to sharing a bright future with all FFA members.

FUNK'S G HYBRID

The Producers of Funk's G-Hybrids.

Taking a new stand

The National
Future Farmer
Owned and Published by the Future Farmers of America

Volume 24 Number 6
August-September, 1976

MAGAZINE STAFF
Editor, Wilson W. Carnes; Associate Editors, John M. Pitzer, Cary W. Bye; *Editorial Assistant*, Jo Colley; *Circulation Fulfillment Manager*, Adriana L. Stagg; *Assistants*, Theresa Campos, Carolyn Roy; *Promotion Assistant*, Craig Osborne; *Advertising Manager*, Glenn D. Luedke; *Regional Advertising Managers*, L. J. Emerson, Kim E. Nowels; *Advertising Assistant*, Laurie Welch.

NATIONAL OFFICERS
National President, Bobby Tucker, Route 1, Box 226T, Mineola, Texas 75773; *National Secretary*, Mike Jackson, RR 3, Tipton, Indiana 46072; *National Vice Presidents*, Ronald Wilson, RR 3, Box 180, Manhattan, Kansas 66502; Douglas Loudenslager, 3673 Irvin Sheets Road West, Morral, Ohio 43337; Elton Bouldin, RR 2, Box 266, Boaz, Alabama 35957; Leonard Anderson, Jr., RR 1, Box 10, Albin, Wyoming 82050.

BOARD OF DIRECTORS
Chairman of the Board of Directors, National Advisor H. N. Hunsicker; *Members of the Board*, John W. Bunten, Robert Crawley, John W. Lacey, Martin L. Mitchell, Art Nelson, Dean Prochaska, Byron F. Rawls, J. W. Warren.

NATIONAL STAFF
Executive Secretary, William Paul Gray; *National Treasurer*, J. M. Campbell; *Administrative Director*, Edward J. Hawkins; *Associate Executive Secretary*, Coleman Harris; *Manager of International Programs*, Lennie Gamage; *FFA Program Specialist (Awards)*, Robert Seefeldt; *FFA Program Specialist (Contests)*, Ted Amick; *Director of Information*, Daniel Reuwee; *Manager of FFA Supply Service*, Harry J. Andrews; *Chief Accountant*, George Verzagt; *Administrative Secretary of FFA Alumni Association*, Robert W. Cox.

ADVERTISING OFFICES
The National FUTURE FARMER
P.O. Box 15130
Alexandria, Virginia 22309 703-360-3600
Whaley-Simpson Company
6430 Sunset Boulevard, Suite 910
Los Angeles, California 90028 213-463-7157
615 Montgomery Street
San Francisco, California 94111 415-781-4583

The National FUTURE FARMER, member of Audit Bureau of Circulations.

TO CHANGE YOUR ADDRESS OR ORDER A SUBSCRIPTION
Please use this form.

Name (please print)

Address (new, if for change of address)

City State Zip

TO SUBSCRIBE:
check the term below and fill in your name and address above.

☐ 3 years $3
☐ 2 years $2
☐ 1 year $1

Foreign subscriptions, add 50¢ a year extra for postage.

ATTACH CHECK AND MAIL TO:
The National FUTURE FARMER
P.O. Box 15130
Alexandria, Virginia 22309

WE MUST HAVE YOUR OLD ADDRESS FOR ADDRESS CHANGE OR OTHER INQUIRY. ATTACH LABEL HERE OR WRITE OLD ADDRESS IN MARGIN AND SEND TO US.

If moving, list new address above.

A Word With The Editor

It would appear that progress is being made in mankind's fight against hunger and in achieving the goal of world peace and understanding. This seems particularly true when we look back over the first 75 years of this century and compare events of that period with some of those taking place today. People from countries that have been at war are sitting peacefully around the conference table seeking a solution to the problem of finding enough food to feed the world's growing population.

Two meetings I attended in early July illustrate this point. One was the World Food Conference of 1976 held at Iowa State University. The other was the Third World Congress of the International Federation of Agricultural Journalists held at the same place. Both meetings were well attended by people from many countries located throughout the world. At both meetings there appeared to be a common goal—that of feeding hungry people wherever they exist.

The problem is very complex. At one time it was thought that all we had to do was export our technology. But sometimes the technology that works so well in the United States does not work in other countries. Different soils, climate, insects and diseases require a different technology. It has been suggested that we must go there to find the answers. The problem is further compounded by the different social customs, religions, eating habits—all the things that tend to make people different throughout the world.

But at least we are on our way and making progress. It was perhaps best summed up by Secretary of Agriculture Earl Butz who said while speaking to the international guests assembled for World Congress III, "I am convinced that we are on the threshold of achieving mankind's ancient desire when the prophet wrote many centuries ago, 'Some day mankind can beat his swords into plowshares and his spears into pruning hooks.' I think we are closer to it than we have been in my lifetime. And when we achieve that it will be only because those of us in the food business have learned to solve mankind's ancient enemy of hunger and disease and pestilence."

Wilson Carnes

In This Issue

FFA—Practical Things I Did 12
The Big Smash 14
Zuni: Ancient City—Proud People 16
New Tractor Regulations 18
Employers Ask Questions 20
Going, Going, Gone 24
Rodeo School 26
Seventeen Years of Sickle Time 28
Horses in His Future 31
Get to Know Your Saddle 32
Look Western 36
Discover Reloading 40
A Gooseneck Trailer 46
Do You Want to Farm? 48
When You Move Out 52
Cowboy Hall of Fame 62
Growing a Useful Product 67

In Every Issue

Looking Ahead 4
FFA News in Brief 6
From the Mailbag 10
Bicentennial Briefs 38
Chapter Scoop 42
FFA in Action 56
The Joke Page 68

The Cover

Stewart Lasiloo, of the Zuni, New Mexico, FFA Chapter is a Native American who has found FFA to be a practical tool that complements the traditional Indian way of life. Here he holds a product of that training, a high quality registered lamb. In the distance is Zuni's Sacred Mountain. (See story on Page 16.)

Cover photo by Gary Bye

CHANGE OF ADDRESS: Send both old and new addresses to Circulation Department, *The National FUTURE FARMER*, P.O. Box 15130, Alexandria, Virginia 22309.

CORRESPONDENCE: Address all correspondence to: *The National FUTURE FARMER*, P.O. Box 15130, Alexandria, Virginia 22309. Offices are located at the National FFA Center at 5630 Mount Vernon Highway, Alexandria, Virginia 22309.

The National FUTURE FARMER is published bimonthly by the Future Farmers of America at 5630 Mount Vernon Highway, Alexandria, Virginia 22309. Second class postage paid at Alexandria, Virginia, and at additional mailing offices. Copyright 1976 by the Future Farmers of America.

Single subscription, $1.00 per year in U.S. and possessions. FFA members 75¢ paid with dues. Single copies 20¢. Foreign subscriptions, $1.00 plus 50¢ extra for postage.

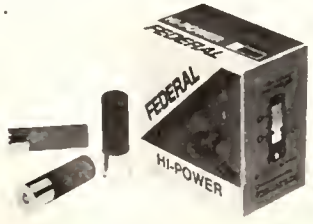
hunting hints

When a covey of birds explodes in front of you, the temptation to shoot into the thickest part of it is almost too much to resist. But no matter how closely bunched it is, the covey pattern contains more air space than birds, so the chance of not hitting a bird is much greater than the chance of hitting one. Pick one bird and stay on it until it comes down. Then pick another if you still have time for a double.

H. G. TAPPLY, Editor — Field & Stream

SPECIAL OFFER. A 32-page book on "Upland Game Birds" and a 24-page book on "Big Game Animals". Loaded with facts and full color photographs. Send 50¢ for each, plus your name and address to: Federal Book Offer, Box 625, Maple Plain, Minnesota 55359.

For everything from plinking to big game hunting, clay targets to wild turkeys, Federal concentrates on producing the finest ammunition available to sportsmen.



ammo you can count on

FEDERAL®

CARTRIDGE

MINNEAPOLIS, MINNESOTA 55402

Looking Ahead

Agriculture

NEW COMPUTER TO IMPROVE CROP FORECASTS—A new extremely fast computer has been added to mission control at NASA's space flight center as part of a U.S. Government program aimed at improving crop forecasts. Called LACIE—for Large Area Crop Inventory Experiment—the program is expected to provide a new capability for the U.S. and other countries in making agricultural decisions. LACIE will also warn of spreading crop diseases and insect infestations; flash early alerts when crop shortfalls are expected; and provide production estimates for international organizations, including developing countries. The data originates in sensors aboard NASA's Landsat I and Landsat II satellites, which cover the globe every 18 days, photographing it in 115-mile wide swaths. In only eight minutes the new computer can classify approximately 716 million acres into 10 distinct agricultural crops.

EXPANSION OF THE AMERICAN SHEEP INDUSTRY—The formal start of a nationwide 10-year plan to provide stability and gradual growth of the sheep industry took place on May 3 of this year. The program is in response to a steady decline in sheep numbers over the last few years. The primary concern in the first year of the Blueprint For Expansion of the American Sheep Industry is to halt the decline according to Dick Biglin, executive director of the American Sheep Producers Council. One part of the program will be concentration on encouraging an interest in sheep production among the younger generation, thus insuring the future of the industry.

WHEAT GRADES REVISED—A revision of the official U.S. grade standards for wheat was announced on June 25 by the U.S. Department of Agriculture. The changes were made to bring the standards in line with current production and marketing practices. Among the changes in the standards are the deletion of the three subclasses of Hard Red Winter Wheat, the deletion of the previously used special grades of Heavy Wheat and Tough Wheat, and an adjustment on the limit for heat-damaged kernels in the U.S. No. 1 grade from 0.1 to 0.2 percent. Copies of the revision can be obtained from the Grain Division, AMS, USDA, Washington, D.C. 20250.

NOTE THIS CHANGE—A last minute postponement of OSHA's new guarding requirements for field equipment which we reported would go into effect June 7 has set October 25, 1976, as the new date for compliance. Standards provide for the guarding of power take-off drives and other moving parts to prevent employed farm workers from accidentally getting caught in farm machinery.

A COMBINE OF THE FUTURE—A USDA Bicentennial exhibit to be shown at the Kennedy Space Flight Center May 30 through September 6, 1976, will include International Harvester's rendering of the combine of the future as pictured below. The machine is visualized as having a 24-row gathering unit, 30 feet wide; 15-inch row spacing; and a speed of 5 miles per hour in a crop yield of 250 bushels per acre. The futuristic combine reportedly will be able to harvest some 160 acres per 11-hour day with 80 percent field efficiency. Mechanical damage to the grain will virtually be eliminated. Guidance is provided automatically from sensors on the row being harvested. Forward speed is adjusted automatically to achieve continuous separation at 98 percent of full rated capacity. Virtually none of the crop is left in the field.

If you're looking for the best tractor tire price you can find, read this:

Tear out the advertisement with the lowest tractor tire price you've seen and take it to the man you know has the tires that keep setting new productivity paces on the farm year after year—your Firestone Dealer. If you think he can't match or come close to the bargain price offers of lesser known names, try him. Remember he's got a whole line of tires instead of just one, and all of them with Firestone's famous 23° bar angle construction, all of them with Firestone's famous Columbiana, Ohio testing programs to prove them out and back them up. And all of them with the kind of "right now" service behind them that you've got to have.

If you're looking for the best tractor tire you can buy, read this:

If you read the history book of farming we think you'll decide the only "best" tractor tire is Firestone, where farms and farmers have always been a top priority, not a sideline. We put and keep some of our best minds working on tractor tire design. That's what it takes to come up with ideas like the 23° low bar angle tread that changed the design of *all* regular agricultural rear tractor tires. That's what it takes to run the most complete and constant testing program in the business, a night and day, 365 days a year tire torture program that never stops trying to give you better, harder working, longer lasting tractor tires.

Ask a friend about
Firestone
23° Tractor Tires

Field & Road™ Deep Tread All Traction Field & Road™ Heavy Duty Field & Road™

Performance starts on the inside

Needle sharp, crystal clear sighting. Accurate adjustments. Effective fog proofing. Rugged reliability! The Leupold "Golden Ring®" performance starts on the inside and climaxes with total satisfaction—for even the most demanding shooter. Prove it at your dealer's. *For a catalog, contact Leupold & Stevens, Inc., P.O. Box 688, Beaverton, OR 97005.*

Leupold sights
Partners in Performance
WITH NOSLER BULLETS

News in Brief

The FFA

***The National FUTURE FARMER* EMPLOYS NOWELS**—Kim Nowels, recent graduate from The Ohio State University, is the most recent addition to *The National FUTURE FARMER* magazine staff. Nowels will serve as Regional Advertising Manager handling accounts in the North and Southwest areas, including 15 states. A university graduate in agriculture with emphasis on journalism, Nowels was an active FFA member as a high school student in Loudonville, Ohio. While at the university, he was elected president of the Alpha Zeta agricultural fraternity, associate editor of the ag college magazine and an officer of the Agricultural Communicators of Tomorrow.

WE'RE ONE-HALF MILLION STRONG—It's official. The FFA has over 500,000 members—500,385 to be exact, according to the official count of 1975-76 school year and verified in June. That makes FFA the largest of the six vocational student groups in the nation. In breaking the half-million barrier, 37 states showed an increase over their membership last year while 13 noted declines. States showing the biggest growth in FFA membership were Ohio, Texas, Virginia, and Washington.

ANDERSON KEYNOTES CHAROLAIS CONFERENCE—Leo Anderson Jr., western regional vice president of the Future Farmers of America from Albin, Wyoming, was selected to be the keynote speaker of the Seventh Annual Junior Charolais Conference at the University of Nebraska, July 11-14. Anderson appeared at the opening session prior to three days of educational programs, tours and entertainment. The conference followed the first National Junior Charolais Heifer Show July 10.

BICENTENNIAL WASHINGTON CONFERENCE PROGRAMS FILLED TO CAPACITY— 1976 is a good year for visiting historical places and a record number of FFA chapter officers and advisors have taken advantage of a special opportunity to mix a week of leadership development with the sights and sounds of the nation's capital. Each of seven, week-long Bicentennial Washington Conference Program sessions have been booked to capacity with participants representing every state in the nation. Attendance will reach almost 1,000 before the conference programs are concluded in early August.

NATIONAL OFFICER TEAM MEETS 20 YEARS AFTER—Five of the six National FFA Officers who 20 years previously had broken ground for the National FFA Center met here in June for a 20-year reunion. Shown at the left is the 1956 ground breaking ceremony at Mount Vernon, Virginia. Pictured in photo at the right is the same team at the Center in June. From left, are, Dan Dunham, from Maryland; Terrell Benton, Jr., from Georgia; Lennie Gamage, currently the manager of the FFA International Program from Virginia; Lynn Loosli, from Idaho, and Allen Colebank from West Virginia. Unable to attend was Dale Ring from Wooster, Ohio.

AIR FORCE.
1-2-3-4 WAYS TO START A GREAT WAY OF LIFE.

Air Force people are special. Trained. Talented. Devoted to service and nation. From Airmen to Generals, we're a worldwide community working to make a great Air Force better — and there are at least four different ways you can become a part of that community.

1 If you become an Airman, there will be many opportunities for self-improvement through education and service. That's why we have a Community College of the Air Force, and some of the best technical training in the world. We know that the better you get, the better we all get.

2 If you prefer to serve part time, consider the Air Force Reserve. We'll train you, pay you, make you part of a proud and skillful team. A team of winners.

3 You can put it all together in Air Force ROTC if you're heading for college. There's a $100 a month tax-free allowance in your last two years. You may also earn a 4-, 3- or 2-year Air Force ROTC scholarship that will pay your tuition including the $100 monthly allowance.

4 Maybe you're Air Force Academy material. If you think so, try for it. It means a top quality education and an Air Force commission.

If you believe you can meet our high mental and physical standards, call toll free 800-447-4700 (in Illinois call 800-322-4400) for the location of your nearest Air Force representative. Or send in the attached card.

AIR FORCE
A GREAT WAY OF LIFE

AMHF Sponsor Of The FFA

Horse Proficiency Awards

For FREE literature on Morgans and Morgan Magazine Information Write to:

AMERICAN MORGAN HORSE ASSN.

Box 1-F, Westmoreland, NY 13490

HOW to BREAK and TRAIN HORSES

SEND FOR THIS FREE!

Know how to break and train horses and ponies—make good money doing it. Write, today for this instructive FREE booklet plus a special offer of a course in Animal Breeding. Tell us if you are interested in Gaiting and Riding the saddle horse.

BEERY SCHOOL OF HORSEMANSHIP

2028 Pleasant Hill, Ohio 45359

FRUIT TREES

All varieties Peach, Plum, Apple, Pear, Apricot, Nectarine, Persimmon, Fig, Grapes, and 30 varieties Berry Plants, Roses, Flowering Shrubs. Also Shade Trees, Nut Trees and Ornamental Trees. Write for free catalog.

BOB WELLS NURSERY

P. O. Box 606

Lindale, Texas 75771

16mm Films On Utility Of

American Saddlebred Horse

FREE BROCHURE

available at

AMERICAN SADDLE HORSE BREEDERS ASSOCIATION

929 South Fourth St. — Louisville, Ky. 40203

One of A Kind

There is only one official supplier of FFA merchandise. It is National FFA Supply Service, Alexandria, Virginia.

- Owned by FFA
- Operated by FFA
- For FFA

That's right. Totally owned by FFA members and operated for them. Controlled by the National FFA Board of Directors and National FFA Officers.

All income above the cost of operation is used by the organization for the benefit of FFA members—not as profit to any individual.

Don't be mislead by companies trying to commercialize on the name and emblem of FFA. If it is not from the National FFA Supply Service located at Alexandria, Virginia, it is not official.

Your advisor is mailed a catalog each summer. See him to order your FFA items.

Support FFA! Order from the:

National FFA Supply Service
P. O Box 15159
Alexandria, Virginia 22309

From the Mailbag

Readers Report

Washington, D.C.

My congratulations to you and the staff upon the excellent June-July "Bicentennial Special" issue. Terrific.

Mr. H. N. Hunsicker
National Advisor

West Union, Iowa

I wish to compliment you for the special June-July Bicentennial issue of your magazine. In my opinion, it was very interesting, patriotic, and helped promote the long time importance of agriculture in this great nation of ours.

Especially interesting was the article "Step Back to '76"—the author should be congratulated.

Steve Story, Principal
North High School

Pierre, South Dakota

Congratulations on a very excellent Bicentennial Special!

Rural America will hold true to the best traditions of our national life! FFA members, their advisors, and our national staff and Americans everywhere, will assure us of this fact. We must be proud of our agricultural heritage.

Warren Miller
Honorary American Farmer
and 1976 FFA Life member

Quincy, Illinois

You really had a good scald on your Bicentennial issue. Enjoyed it very much.

O. W. Randolph, Manager
Public Relations
Moorman Manufacturing Company

Valley View, Texas

I am writing to say how much I enjoy reading *The National FUTURE FARMER*. I especially enjoyed the Bicentennial section. Keep up the good work.

Denise Ann Martin

Middlebury, Vermont

This summer I have been visiting farmers in our county and like to use the magazine as part of a "pitch" to get Alumni members.

Thank you for producing such a fine magazine—that would be a credit to any organization!

Jeff Adams

Moore, Oklahoma

As a project to improve relations with our school officials the Moore FFA Chapter would like to purchase gift subscriptions for the enclosed list.

Michael Simpson
President

Sullivan, Indiana

The members of our chapter are very proud of the article in the magazine about our tractor drive. This was the first article in a national magazine that the chapter has ever had. This year we had our best turnout ever with 31 tractors being driven to school.

Chuck Prose, Reporter

Madison, Wisconsin

May this open letter become a personal note of returned appreciation to the several hundred FFA members who have written to us at the FFA Foundation Sponsoring Committee office.

You have been winners and recipients of National FFA Foundation awards; you have taken the time to express your thanks. As we have received these letters, we know that they are meant for all sponsors. Your letters and cards have been beautifully done and we know that they are heartfelt.

Mr. Robert W. Engle, Vice President and General Manager of AVCO New Idea Farm Equipment is our 1976 National Chairman. He, too, has received large numbers of letters. May this note in the Future Farmer magazine express our combined acknowledgment and returned wishes for continued success and happiness.

We are certain that numerous thank you letters have gone directly to the Foundation's special project sponsors . . . these are the companies and organizations who have put large sums of money into the specific programs, contest or activity to make the medals, checks, travel, certificates and program support available. For any winners who have *not* responded, we *urge* that you write directly to those sponsors. Your local and state advisors have the names of the sponsors and their contact person.

Donald N. McDowell
Executive Director
National FFA Foundation
Sponsoring Committee

Santa Maria, California

Please find enclosed several more items for consideration for use in the Chapter Scoop. Who actually draws those famous little pictures?

Peter McManus, Reporter

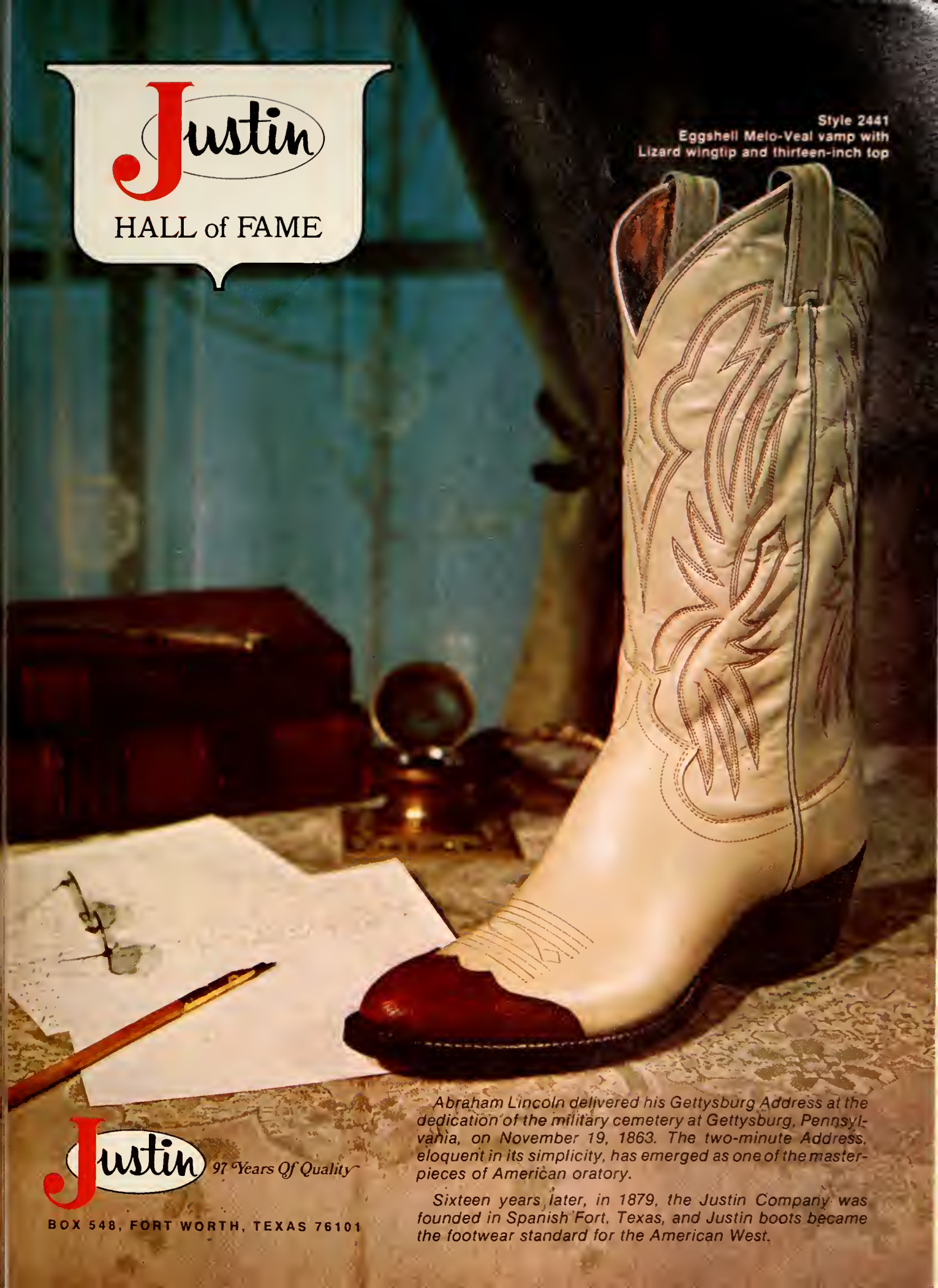
Artist Stan Stamaty who also is cartoonist for Charlie The Greenhand.—Ed.

Stillwater, Oklahoma

In regard to your "Looking Ahead" column of the June-July, 1976, issue of *The National FUTURE FARMER* concerning "Young Workers need Certificate of Exemption," a statement was made that disturbs us. The article states to contact the county extension agent's office for information.

The National FFA Staff should be aware of the fact that the law provides the vocational agriculture teacher the same authority for training and certifying 14- and 15-year-old students to operate tractors and farm machinery as the county extension director. Vo-ag teachers have been able to train and certify their students since the law went into effect in the late 1960's. Since we are an educational organization, we should be careful about farming out our responsibilities.

Robert Mitchell, Verlin Hart
Donald Brown, Paul Newlin
Oklahoma State Staff



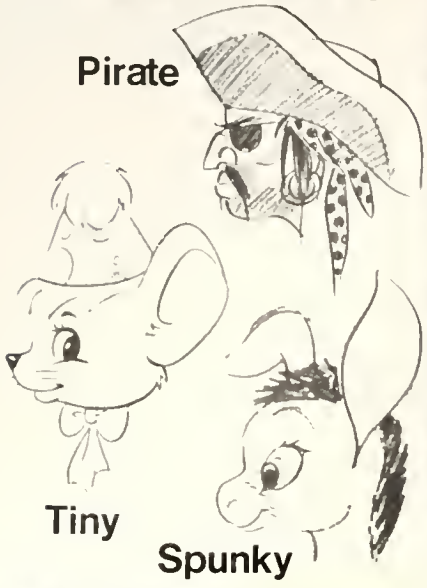
Abraham Lincoln delivered his Gettysburg Address at the dedication of the military cemetery at Gettysburg, Pennsylvania, on November 19, 1863. The two-minute Address, eloquent in its simplicity, has emerged as one of the masterpieces of American oratory.

Sixteen years later, in 1879, the Justin Company was founded in Spanish Fort, Texas, and Justin boots became the footwear standard for the American West.

Justin *97 Years Of Quality*

BOX 548, FORT WORTH, TEXAS 76101

Over $5,000 in prizes
Awarded Monthly



Draw Your Favorite!

Let your favorite help you test your talent. You may win one of five $995.00 Commercial Art Scholarships or any one of seventy-five $10.00 cash prizes.

Draw your favorite head any size except like a tracing. Use pencil. Every qualified entrant receives a free professional estimate of his drawing.

Scholarship winners will receive Fundamentals of Commercial Art taught by Art Instruction Schools, Inc., one of America's leading home study art schools.

Try for an art scholarship that may lead you into the exciting fields of advertising art and illustrating, cartooning or painting. Your entry will be judged in the month received. Prizes awarded for best drawings of various subjects received from qualified entrants age 14 and over. One $25 cash award for the best drawing from entrants age 12 and 13. No drawings can be returned. Our students and professional artists not eligible. Contest winners will be notified. Send your entry today.

MAIL THIS COUPON TO ENTER CONTEST

ART INSTRUCTION SCHOOLS, INC.
Studio 6G-3540
500 South Fourth Street
Minneapolis, Minnesota 55415

Please enter my drawing in your monthly contest. (PLEASE PRINT)

Name_____

Occupation_____ Age_____

Address_____ Apt._____

City_____ State_____

County_____ Zip Code_____

Telephone Number_____

Accredited by the Accrediting Commission of the National Home Study Council.

Dr. E. Bruce Heilman, second from left, a former FFA member; Bob Hoskins, left, Virginia chairman, National FFA Foundation; Edward Ragland, state FFA vice president; and Tommy Johnson, right, Virginia FFA executive secretary.

"FFA . . . One of the More Practical Things I Did"

A college president remembers his membership in the FFA and says it had "special meaning for me."

INSTEAD of cultivating corn, Bruce Heilman now cultivates prospects with the same success he had as a boy in the fields of Kentucky. But now his prospects are those who can benefit the cause of higher education in general and the University of Richmond in particular.

Dr. E. Bruce Heilman is president of the University of Richmond, the largest private university in Virginia, one of the top 40 most wealthy educational institutions in the nation, and one of the brightest stars in the crown of Baptist colleges and universities.

He sees the land now mostly from airplanes as he travels across the nation in pursuit of his goals as a university president, and as president of the Council of Independent Colleges in Virginia.

He has traveled abroad as well, from Russia to the South Pacific, from Scandinavia to South America. He has appeared on the NBC "Today Show," been entertained in Hollywood by Earl Hamner, creator of "The Waltons" and hosted by numbers of well-known persons.

Through his work, Dr. Heilman has won a national reputation as an authority on financing higher education, and he is totally immersed in his mission at the University of Richmond. Yet, he has never lost his love of the land, and when time and pressure permits, slips away for a brief respite at his farm in Kentucky to renew his vigor and enthusiasm.

Dr. Heilman was a member of the FFA at LaGrange High School in LaGrange, Kentucky from 1941 to 1944. At that time he was living on a farm in Oldham County, Kentucky, about two miles out of Ballardsville, which was a rather rural area. Ballardsville was a small community of under 100 people. He commuted by bus from his home to Ballardsville and then changed buses to travel the four miles to LaGrange, the county seat, to the high school where he particularly enjoyed his association with the FFA.

He recalls that during the time he was very active as a participant in the dairy operation his father managed as a partner with the owner of the farm on which they lived. Earlier his father had been a tenant on another farm owned by the same family and he ran a large dairy there. Having inherited a small amount of money, his father purchased

(Continued on Page 51)

Before 1954, we made some of the most accurate 22's you could buy.

But we weren't satisfied.

When we built our first 22, quite frankly we thought we had ourselves one heck of an accurate gun.

Then 1954 came along.

That's the year we came out with Micro-Groove®. The rifling system that made an already precise rifle even more precise.

The Micro-Groove system cuts down on bullet distortion and prevents gases from escaping that can rob a bullet of its power.

And you get it in every Marlin rifle we make. Including our Model 99C 22 autoloader. But the 99C is more than just accurate.

It has a one-piece Monte Carlo stock turned from genuine American black walnut and handsomely checkered. A brass tubular magazine that holds 18 Long Rifle cartridges. Plus a solid top receiver grooved for scope mounting, side ejection, ramp front and adjustable rear sights, and a special bolt hold-open mechanism for added safety and easier cleaning.

The 99C rifle and fast-handling 99M1 and 989M2 carbines, about $66.95. Or the 49DL rifle, about $75.95. See the entire Marlin line and popular-priced Glenfield rifles, at your gun dealer's.

Also be sure to ask for our new, free catalog. Or write Marlin Firearms Co., North Haven, Connecticut 06473.

Marlin® Made now as they were then.

Dale Thorne with stockpile of cans to be crushed and recycled.

The Big Smash

Upper left, another of the 10,000 empty pesticide cans is readied for crushing. Lower left, the project draws the attention of the news media. Above, Donald Johnson exhibits the products of the can crushing procedure.

By Warren Clark

DWARFED by a huge pile of empty five-gallon metal containers, Roland-Story, Iowa, safety chairman Dale Thorne exclaimed, "We've got discarded pesticide cans running out our ears!"

"But we wouldn't want it any other way."

Nearly 10,000 empty pesticide cans have been donated by local farmers and area coops this spring to the FFA which crushes and recycles them. Laid end-to-end in a roadside ditch, where many cans are normally dumped, they would stretch over two miles in length.

Instead, they have been gathered at area cooperative elevators where the chapter positions its can crusher, compresses and recycles the collected cans.

Pesticide cans are toxic and hard to dispose of, according to Peter Hamlin, director of land quality management in the Iowa Department of Environmental Quality. He estimates there are between 1 and 1.5 million agricultural pesticide containers used each year in Iowa alone.

One of the problems which goes along with the recycling project, according to FFA Advisor Lyle Shafranek, is the danger involved in handling pesticide containers during the crushing operation.

The FFA requires all cans to be triple-rinsed by the farmer before he brings them to be crushed. Preferably the cans will be rinsed directly into the sprayer tank during field application to reduce chemical build-up in one area of concentrated dumping.

Shafranek stressed—"Safety among our members during the crushing operation is of prime importance."

All members working in the crushing operation are required to wear safety glasses and rubber gloves for protection against chemicals, chapter president Marty Mortvedt noted. In case of an accident, clean water to rinse eyes free of chemicals is always nearby.

Ron Gates, Story City Coop chemical specialist said he encouraged the FFA to get involved in the can crushing enterprise.

"I saw the need and thought of the FFA chapter," Gates noted, "when I was looking for a way to provide the service to the community."

Initially the Story City Coop had planned to buy a can crusher for the FFA to use, but the FFA chapter said they could build their own cheaper.

That's where past chapter president Steve Finnegan and his father began.

Finnegans say they had the idea and knew what they wanted to accomplish —make a five-gallon pesticide can as compact as possible. With that in mind they built a crusher which the FFA crushed over 1,800 cans with last year. Not satisfied with the model, they redesigned the crusher last winter, applied for a patent and put it into operation this spring.

The crusher's operation is relatively simple. A hydraulic cylinder is used to crush a five-gallon can between two pieces of plate metal. The machine is capable of crushing nearly 400 five-gallon cans to a height of under three inches every hour. Currently the crusher is linked to a tractor for its hydraulic pressure, but it would also be possible to rely on a hydraulic pump powered by an electric motor.

Finnegans say they hope to do one of two things with their invention: 1) manufacture the crusher for sale to FFA chapters and other interested buyers, or 2) train a team of FFA members in correct safety and operating procedures for running the crusher. This team would then travel around the state crushing cans that would be deposited at various collection points.

Currently cans are collected at three coop elevators within a 25-mile radius of Story City. The coops' chemical salesmen have promoted the recycling project among their customers and at meetings held for area farmers.

Last year the crushed cans were sold to a Des Moines salvage firm for $20 per ton.

NAVY. IT'S NOT JUST A JOB, IT'S AN ADVENTURE.

If you're just looking for a job, you can probably take your pick of thousands. But if you're also looking for adventure, the field suddenly narrows. To the Navy.

In the Navy, a job means more than a good paycheck. It means the opportunity to see places like Italy, Spain, Morocco, Hong Kong, the Philippines and Hawaii. It means working on some of the most advanced technical equipment devised by man. It means doing a job that really counts, with guys who count on you to do it.

The Navy has more than sixty career fields we can train you in. We'll help you continue your education, and you'll earn thirty vacation days with pay, a year. Your Navy recruiter can tell you more. Speak to him or call toll free 800-841-8000. (In Georgia, 800-342-5855.)

Navy. It's not just a job, it's an adventure.

NAVY

Capt. H. C. Atwood, Jr., U. S. Navy Q414
NAVY OPPORTUNITY INFORMATION CENTER
P.O. Box 2000, Pelham Manor, N.Y. 10803

☐ Send me your free booklet. (G)

☐ Call me. (G)

NAME _____
First (Please Print) Last

ADDRESS _____

CITY _____ STATE _____ ZIP _____

BIRTH DATE _____ _____
Last Grade Completed

PHONE _____
(Area Code)

NF 8. 6

ZUNI: ANCIENT CITY- PROUD PEOPLE

Can an FFA chapter succeed in a community that resists cultural change? Zuni faced that question and came up with an answer.

By Gary Bye

ZUNI, New Mexico, was first thought by gold-seeking Spanish explorers to be one of the famed Seven Cities of Cibola guarding Montezuma's treasure. Instead, they discovered after their march of conquest, the village was merely one of the pueblo homes of a peaceful Indian tribe numbering fewer than 4,000 people.

Today the Zuni tribe, with a population of 6,000 remains much as it did when the Spanish first arrived over four centuries ago. Despite the influence of Spanish and European cultures (and with it religious repression, war and disease) Zuni maintains most of its native identity. Even with the impact of today's American civilization their language is their own—different even than the 19 other Pueblo tribes of the Southwest. Holidays such as Christmas, Easter, and Thanksgiving are less important than Shalako, Deshkwi, and Ko:k'okshi (Zuni religious ceremonies). Tribal dances and secret clans still play a major role in the Zuni society.

With this background of native pride and active resistance to cultural change, it might seem prospects for an active FFA program would be slim. Yet today Zuni has a thriving FFA chapter of 84 members. Ninety percent of the membership is Zuni.

"The students respond well to FFA because it deals with agriculture, and many of them have grown up raising sheep and cattle," says Advisor Bill Hines. "Also a lot of these students are talented artistically because of their background in jewelry making, so they enjoy working in the ag shop." For example, this year the chapter constructed a gooseneck horse trailer to sell as a money making project.

Advisor Hines says during the last two years, the chapter has concentrated on leadership development. Chapter officers have attended both the Washington Leadership Conferences and the National FFA Convention.

"It was a big step for some of these young people," says Hines, "since most of them don't leave their village or families very often. They were reluctant at first but came back very excited about FFA," he says.

Upon their return they immediately started working on a BOAC project involving the Zuni Tribal Council, the Zuni Fair Board, the Zuni FFA Parents Club (now an official alumni affiliate)

and the Zuni Sacred Mountain CB club.

They also went to work preparing a Food For America program for the elementary students. With some extra work (two weeks of writing) the chapter officers translated the entire program into their native Zuni language so the children would understand the program fully.

Another community service project undertaken this year by the chapter was a demonstration rodeo for the special education department of the local public school. First each of the students demonstrated their particular rodeo skills, then special events were held for the retarded and handicapped students. A barrel race was held using Shetland ponies and FFA members as guides and riding assistants to keep the handicapped student steady on course.

Most of the Zuni FFA members have livestock as their supervised occupational experience programs. An example is Stewart Lasiloo, one of the chapter's officers. He has half interest in 190 head of registered Columbia ewes and plans to make sheep raising his occupation after graduation.

Delvin Simplicio is another example of the way the Zuni students are building on their heritage to become successful leaders and productive citizens. Delvin has five head of registered Hereford cows. With help from his father, who is a past president of the Zuni Cattleman's Association and one of the six elected Tribalmen who head the reservation government, Delvin hopes to build his interest in the family beef and farming operation. He even talks of being the first FFA state farmer from his chapter.

Evidence of Spanish influence remains in Zuni. Here FFA members and Advisor Bill Hines show National FFA Officer Bart Brashears the old Spanish mission.

At left, at the foot of Sacred Mountain Stewart Lasiloo tends his sheep flock. Right, members of the Zuni FFA Chapter present translated version of Food For America. Below, children and members wait for the Food For America film to begin.

Recently, incomes in Zuni have skyrocketed with the growing popularity of Indian jewelry. In sharp contrast to the customary living styles the village streets are alive with pickup trucks and the airways crackle with CB chatter. The FFA has taken advantage of this new interest and has worked closely with the CB club on fund raising activities and the development of their FFA Alumni affiliate.

Last year the CB club sponsored an open house and potluck dinner for visiting National Officer Bart Brashears.

Yet despite the surface changes, the Zuni's can be described as a people that have not given in to outside influence. From the era of the early 1800's when smallpox and measles had reduced the tribe's population to less than 1,500 members, Zuni today finds itself as a leader among the Pueblo tribes. In 1970, the tribe ratified its own constitution. It has taken the initiative and looks again towards self control and government.

At one point in the Zuni's early history when the tribe was threatened with serious reprisal from the Spanish for a Pueblo rebellion, the entire Zuni tribe fled to a fortified village on Towayalan (Corn Mountain, also called Sacred Mountain), a precipitous mesa south of Zuni. There they lived for 12 years, untouched by outsiders and protected from harm.

Today, technology has made it nearly impossible to achieve a similar "escape" from the increasing pressures of the outside world. Zuni is courageously facing up to that fact. The Zuni FFA is playing an important role in preparing for their future.

Inside-out view of ROP structure shows unrestricted view.

New Tractor Regulations

Do They Affect You?

"TRACTOR Overturn Injures Youth." "Man Killed in Tractor Overturn." How often have you seen this or a similar line in your local and state newspapers? Maybe it has involved someone in your neighborhood or even in your immediate family.

A new regulation under the Occupational Safety and Health Act (OSHA) concerning roll-over protective structures (ROPS) has been established to make agricultural work safer for employees.

Beginning October 25, 1976, all agricultural tractors manufactured after that date and operated by employees must be equipped with ROPS (protective cab or frame) and seat belts that meet the specifications of the standard as stated in the Federal Register of April 25, 1975. While providing the required protection for employees, ROPS will also protect family members when they operate agricultural tractors and should greatly reduce the number of fatal or crippling injuries due to tractor upsets.

An "agricultural tractor," according to OSHA, is a two- or four-wheel drive type vehicle, or track vehicle, of more than 20 engine horsepower, designed to furnish the power to pull, carry, propel, or drive implements which are designed for agricultural work.

The regulation does allow for several exemptions. Tractors used in low-clearance areas such as orchards, vineyards, hop yards, and certain buildings where a rollover protection structure cannot operate are exempt. Also tractors fitted with implements like mounted cornpickers which are incompatible with the rollover protection structure are not included.

Whenever a ROPS is removed from a tractor for any reason, it must be remounted prior to being operated. The regulation also requires that all tractors equipped with ROPS shall be provided with a seat belt and that the employer must ensure that each employee adequately secures the belt prior to putting the tractor into motion.

Training required

One section of the OSHA standard already in effect deals with safe operating practices as a means to help prevent accidents. As of June 1, 1975, employees have been required to be trained with respect to the hazards associated with roll-overs and how to prevent roll-overs. In other words, if the farm employee's work includes driving a tractor, he must be instructed by the employer on the safe operating rules contained in the OSHA standard and any other practices dictated by the working environment. Such information must be provided when the job is first assigned and at least annually thereafter. Officials suggest posting the rules in the tractor's cab.

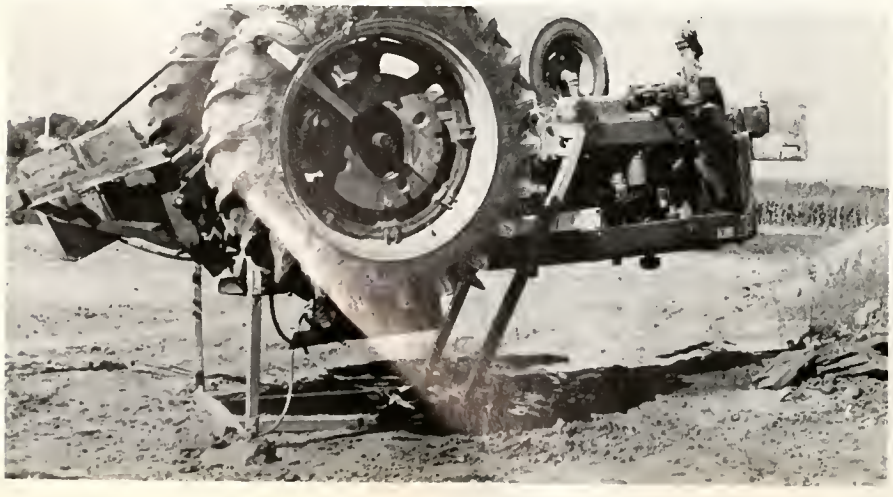
Here are the employee operating instructions:

1. Securely fasten your seat belt if the tractor has a ROPS.
2. Where possible, avoid operating the tractor near ditches, embankments and holes.
3. Reduce speed when turning, crossing slopes, and on the rough, slick, or muddy surfaces.
4. Stay off slopes too steep for safe operation.
5. Watch where you are going, especially at row ends, on roads and around trees.
6. Do not permit others to ride.
7. Operate the tractor smoothly—no jerky turns, starts, or stops.
8. Hitch only to the drawbar and hitch points recommended by tractor manufacturer.
9. When the tractor is stopped, set the brakes securely and use the park lock if available.

As a student in the field of farm and ranch safety you will want to see the members of your family as well as the employee or hired help on your farm provided with safe working conditions. Therefore, you should observe and encourage agricultural use of ROPS for the protection of all tractor operators.

The Farm and Industrial Equipment Institute records show that farmers voluntarily purchased over 300,000 ROPS during the 1969-1976 period. With the increased availability of ROPS, both protective cabs and frames, many farmers and ranchers, including those not covered by the OSHA regulation, may discover that a roll-over protective structure can be a low-cost form of accident insurance.

ROPS used with seat belts are designed to prevent a tractor from landing on the operator in event of a rollover. Structures also provide weather protection.



Adapted from Farm Safety Review, *a publication of the National Safety Council.*

The fresher your plugs the better your mileage.

The more you think about it, the more it makes sense.

The more efficiently you "burn" your gasoline, the better your mileage. And the part that starts that "burn" is a spark plug.

So if your plugs are worn, fouled, coated or damaged, you'll waste gas. You'll lose money.

How much better mileage will you get with fresh plugs?

We've been running extensive mileage tests on everyday cars like yours. So far 3 out of 4 of the cars tested got better mileage when we replaced plugs with fresh Champions. And the average mileage improvement was 4.27%.

Just how often should you change plugs?

A plug's well-being depends on a lot of factors. But we have found that on the average, a plug loses efficiency after about 10,000 to 12,000 miles. So if you time your plugs with your odometer, you'll be OK.

Are fresh plugs a replacement for a tune-up?

Absolutely not. We're just saying that your plugs can be wasting gasoline far before you need a whole tune-up.

Why should you fill 'er up with Champions rather than some other plug?

First, Champion makes the right spark plug for nearly every gasoline-powered engine made in the world.

Second, Champion plugs have powered more race winners in the past years than any other plugs made.

And third, we've got new 4, 6 and 8 packs. So you don't have a lot of loose plugs to contend with.

Fresh plugs mean better mileage. And when it's time for fresh plugs, remember the folks who are trying to help you save money with handy messages like these.

CHAMPION

Fill 'er up with Champions.

Toledo, OH 43661

Employers Ask These Questions About Vocational Students

By W. Swearingen

"WHAT did he want to know about me? That is the question I hear, or see written on the face, when I tell a student or former student that an employer has phoned, written, or paid me a visit relative to his application for a job.

Vocational teachers, because of their close relationship with students, are usually contacted by employers or personnel managers who wish information about graduates and soon-to-be-graduates who have made applications for employment.

I believe students, as they prepare to find their places in the adult world, have the right to know how personnel managers check the references listed on the application. Thus, I share some of the most-asked questions I am asked and also what I feel are the reasons for making the particular inquiries.

What was his attendance record in school?

Businesses are looking for, and need, someone who will report to work on time—and regularly. They seek employees who have made regular and punctual attendance at high school a habit. There is a correlation between school habits and work habits. What a pleasure it is for a teacher to be able to look at his record book and to get to say, "He missed just two days in his junior year and three in his senior year," or whatever his attendance was (if it is good).

The boy who resists the temptation to skip school to work on his car is likely to be the employee who will resist the temptation to stay home because he has something else he would rather do. The boy who resists the temptation to miss school to go fishing and the girl who resists the temptation to miss school to go shopping are likely to be the employees the employer can count on to come to work.

Our principal reports that the attendance record is one thing personnel managers who check with him *always* inquire about. Thus, school attendance records must be of importance and *good* attendance records must be real assets to job applicants.

Does the applicant get along well with others?

Employers want to hire workers for keeps. It is expensive to train new workers. Statistics show that about 90 percent of the employees who have to be let go are given the "pink slip" because they have not been able to cope with other employees and with supervisors. Hard-to-get-along-with employees cause so many headaches, employers want to know the history of the applicant in his relationships with others in school. They are looking for youth who can work amicably with others, and for those who have already proved in high school that they can.

One manager asking me about an applicant made a thought-provoking comment. He said, "Any high school student who has not been smart enough to learn to be pleasant around others is not smart enough to work for me."

What extra-curricular activities did the applicant participate in?

Employers are apparently convinced that extra-curricular activities such as clubs and organizations, speaking and parliamentary contests, music, sports publications, and other activities indicate leadership, the assumption of responsibility, and team work. Thus, being a participant in extra-curricular activities indicates to the businessman the student has had some worthwhile experiences and that he has a desire to do more than the minimum. Those students have also had actual experience in seeing a task through to the end. They want workers and seek employees who have proved they will do more than the bare minimum and have already learned to assume responsibility.

Was the applicant's appearance satisfactory at school?

Employers seem to feel that a teen who takes pride in his appearance at school usually takes pride in other things—his job, for instance. Impressions are so influenced by appearance that an employer wants to know whether to train the new employee for a job to meet the public, or whether to train him for a job located in a back room out of sight of the public. Most employers are happy to have all employees clean and neatly-enough dressed and groomed to introduce them to their business friends. So—they ask the teacher about the outward appearance of the applicant when he was in school.

Do you know of any behavior or dishonesty in the applicant that would cause you to question hiring him?

The same temptations of dishonesty that lurk around school are also present in business. The same traits that have formed good character in school will also be present on the job. If, in school, the temptation to steal grades or small tools was given in to, on the job the temptation will be to take supplies, place long-distance phone calls on the company phone, or take merchandise from the business with no intention of billing it. The student who has loafed on the school job will be the employee who does not consider it stealing to loaf the last ten minutes of the day or when the boss has his back turned. Who, better than the vocational teacher who has observed and worked with students in the classroom, knows about the honesty, or dishonesty of the student?

The way to get ready for that first job is to make preparation now. Study to show yourself approved by your vocational teacher—a student that needs not be ashamed of information given prospective employers by your high school teacher.

It takes more than brains to win an Army ROTC scholarship.

Scholastic standing and college board test results are important factors

in deciding who will be awarded an Army ROTC scholarship.

But it takes more than brains to win a scholarship that pays full tuition, books and lab fees. And then to be able to handle the leadership position that's waiting for you when you get out of college.

So we look for more going in.

We look primarily for leadership potential, as demonstrated by your involvement in sports or other extra-curricular activities.

So if you were a class officer, a varsity letter winner, a club president, or a member of the debating team, or showed your ability to think on your feet in some other way—we're interested.

And, to make sure a good candidate isn't overlooked because his or her participation in school activities was limited due to a part-time job, we award scholarship points for hard work done away from school, too.

Then there's our personal interview. Just to give you the chance to let us know some things about yourself that might be missed by a test, an application, or a yearbook.

In short, there's a lot that goes into deciding who has Army ROTC potential. If you think you have what it takes, write for more information about Army ROTC scholarships.

Army ROTC, P.O. Box 12703
Phila., PA 19134
Send me all the facts about
Army ROTC scholarships.

☐ Ms. ☐ Mr. _____ Age _____

Address _____ City _____

County _____ State _____ Zip _____

Phone _____

High school attending _____

Graduation date _____

College planning to attend _____

NFF 6-08

ARMY ROTC.
LEARN WHAT IT TAKES TO LEAD.

The room was filled with fast hands and flying words as 50 auctioneers bid for the World Championship Trophy.

World Auctioneering Championship

GOING, GOING, GONE

Held in New Holland, Pennsylvania, the event drew a packed crowd, including a German television crew filming a show for its audience of eight million.

Audience reaction favored the local favorites, but when a decision was reached the trophy was awarded to Canadian auctioneer Steve Liptay.

"LET'S sell some cattle." With that bit of encouragement by the first contestant, the 1976 World Auctioneering Championships were underway at New Holland, Pennsylvania.

Before the chanting cries had subsided, 50 livestock auctioneers from across the United States and Canada would show off their special marketing skills. The field this year included one woman, one Canadian and representatives from 28 states. One contestant, Bill Zobel from Creighton, Nebraska, at 21 years of age was the youngest (he's still an active FFA member). On the other end of the age scale was Paul Sanger, age 65, from Lebanon, Pennsylvania.

Each contestant was responsible for marketing four lots of live beef animals. The judges evaluated the competitors by one criteria, "Which one of these auctioneers would you hire for your own selling operation?"

Adding a certain international flavor to the competition was the presence of a German film crew under the direction of award winning producer Werner Herzog. They filmed the competition for showing later this year on German television.

Acting as master of ceremonies for the awards banquet that evening was Scott McKain, former National FFA Officer. Scott brought over half of the contestants to their feet when he asked those who had been FFA members to stand. Many of the competitors observed that plenty of opportunity exists for young people who look to the auction ring for a career.

is that your Calf Manna fed champion?

Today more than ever before, your cattle have to be superior animals.

Buyers and judges are very selective and only the breeder and showman who presents his animals to the very best advantage will top the sales and shows.

Today, it takes superiority not only in breeding, but in size and heart girth; in condition and haircoat; but even more in records that prove feed efficiency and weight gains for age.

For the past 44 years, discerning cattlemen have learned that Calf Manna fed at the rate of just one pound a day, builds the kind of cattle that sell readily. Calf Manna, a highly fortified concentrate, in a starter feed, in a growing ration or as a breeding feed that beef cattlemen can trust to bring out every good genetic trait.

For specific feeding directions, formulas and confirmed statements by other top cattlemen as to Calf Manna's results, write for your free copy of "Selecting, Fitting and Showing Livestock."

Then, when the word goes out — "Here Comes the Judge" — you will find him heading for your Calf Manna fed Champion.

LabMix
FORMULATED FEEDS
THE HEART OF ANY LIVESTOCK RATION

Carnation-Albers / THE CALF MANNA PEOPLE

6400 Glenwood, P.O. Box 2917, Shawnee Mission, Kansas 66201

Instructors Shawn Davis, left, and J. C. Trujillo, center, consult with arena supervisor about the day's schedule.

Rodeo School

Rodeo arenas throughout the country are becoming classrooms to aspiring cowboys of all ages who pay tuition to learn first hand from the experts.

"OKAY, let 'em out!"

The rider half shouts, half chokes the words. His face contorts, blood pumping into every vein. As the side of the chute swings away, the horse springs like a coiled one-ton rattler. The day's lesson has begun.

Man against animal. It's a contest as old as the world itself—but this rider is oblivious to his place in history. He is concentrating on survival. His grade for the day will be known in a matter of seconds. Failure comes often and usually with painful abruptness.

Rodeo is growing in popularity, especially among young people. Just as skiers have ski schools and skydivers have their special classes, young rodeo enthusiasts are finding a number of schools and classes offering—for a price—an invitation to them. They are complete with celebrity instructors, video tape machines, mechanical bucking horses, films, lectures and the challenge of learning by doing.

Shawn Davis, former FFA member from Montana and three-time winner of the world saddle bronc competition has been holding such schools since 1966. We visited one in session at Camp Verde, Arizona, where Davis has teamed with two other cowboy greats in sponsoring the school. J. C. Trujillo was the bareback riding instructor. At one time a district FFA officer from Arizona, Trujillo later became the 1968 collegiate bareback champion and a three-time qualifier for the National Finals Rodeo. Giving the lessons in bull riding was John Davis, a former FFA member from Oregon, who is best known for being the first cowboy to ride the notorious bull "Oscar." Like Trujillo, John Davis had also qualified three times for the National Finals.

"There are ten times as many kids in rodeo as there were when I was starting," says the bronc riding Davis. "And

While one cowboy gets ready to climb aboard, others limber up with a few exercises.

Ernest Baca gets set . . .

they are probably about ten times as good too," he admits. "A lot of it has to do with the schools."

Davis says financially too, the schools have proven successful and a good thing for a cowboy with injury problems (a bull rolled on him in 1969 leaving him with a broken back). "But it's not all for the money. I really enjoy working with the young people too," he says.

About half of the students at the Camp Verde School were young Indians from nearby towns. Davis says he's seen a great change in their attitude as rodeo performers. "They've become a great deal more aggressive," he observes as he watches another young rider climb the chutes to his ride. "One of the Indian riders I had as a student a few years ago won the world bareback event last year. That proved this school has value."

All of the students at the Davis school were men, mostly in their teens and twenties. From there the similarities diminished. The 73 who had paid the $125 enrollment fee came from Utah, New Mexico, California, Arizona, Colorado and Wyoming. "We even had someone inquire from Guam," notes Trujillo.

The youngest of the students at Camp Verde were Frank and Ernest Baca, age 14, twin brothers and members of the Orderville, Utah, FFA Chapter. Frank was at the school to pick up some pointers on bareback riding. Ernest had chosen saddle broncs as his event.

"The expense is worth it," says Ernest. "You learn a lot of little things, and you know you're learning from the best. If we can learn the correct way to ride early then maybe we won't pick up some bad habits."

The classes in this particular school last three days. On the first day students are given a complete orientation about rigging (the equipment used for riding). They study the rule book of the Professional Rodeo Cowboys Association. Then each of the groups is acquainted with the fundamentals of their particular event—whether bareback bronc riding, saddle bronc riding, or bull riding. Later in the evening films are shown of the National Finals Rodeo. In this case, the students paid special attention to the performance of their particular instructor.

The next day riders are tested on a bucking machine, after which they are allowed their first actual ride which is recorded on video tape for analysis. "Close to half of the students are new to the event they are studying," says John Davis. "Some have never ridden in a rodeo before, others are just looking to expand their field of events, like a bronc rider who decides he wants to try the bulls."

. . . for the eight seconds . . .

During the week, the riders are taught to think like athletes. Before each riding session warm-up drills are held. Cowboy hats are laid aside for jumping jacks, pushups and a quick jog around the arena.

In addition to physical training, the instructors help the students develop a proper mental attitude.

"You can't always pick the winners by looking at a man," says Shawn. "A lot of times it's who's got the most desire—the biggest heart. Much of riding is mental. We ease the beginners into the events, putting them up against their own caliber of livestock to build up their confidence."

Bareback rider Clint Stuart, FFA member from Phoenix agrees, "You've got to get a good mental attitude. You must think what you're going to do next. To win, you've got to be on the offensive."

Clint shares the dream of most young high school rodeo riders, "to earn a rodeo scholarship to college. There are half a dozen schools giving out pretty good scholarships," he notes, ". . . Cal Poly in California, Lamar Community College in Colorado, Eastern New Mexico and Sul Ross in Texas."

For a few of the students the days of high school rodeo and college scholarships have long since passed. Bob White, a rookie cowboy and working plumber from California says going to rodeo school was just a lifetime dream. "I had always wanted to do this. I just decided it was now or never, so I sent in my money and drove on out."

What was it like? "Well, on that first ride, my mind just went blank. But I think I'm hooked. I'd like to take in a few more schools and then maybe pick up some rides at an amateur rodeo."

For others, who like Bob, Clint, Frank and Ernest, share the desire to someday be a champion, the opportunities to learn exist in similar rodeo schools scattered across the country. There are schools for riding, roping, bulldogging, racing and even for clowning. They turn up in such likely places as Onida, South Dakota; Gallatin Gateway, Montana; Fallon, Nevada; Mesquite, Texas; Cody, Wyoming; and Marysville, California.

"When I started you had to learn to rodeo the hard way," grins Shawn Davis, as he sits stiffly astride his pick-up horse and watches another novice hit the dirt. "For these students it's just as hard—only a little faster."

Traditionally, the final event at the Shawn Davis Rodeo School is a jackpot rodeo. Each student performs as if in an actual rodeo and scores are kept on their rides. The competition is as keen as if it were the National Finals—for a payoff every rider is trying to win. The prize? Free tuition to the next rodeo school. what else?

. . . of his final exam.

Seventeen Summers Of Sickle Time

By Gary Bye

FOR some it may sound like an adventure—to others a nightmare. To Rocky Taylor, Oklahoma's Star Agribusinessman, being part of a custom harvesting outfit is all business.

Each summer with the consistency of a bird heading South, Rocky, his family and a hired crew begin their own migration. Leaving their home in Thomas, Oklahoma, on the first of June, they cut their way through southwest Kansas into Nebraska and Colorado, finally ending their season at the Canadian border in Montana in mid-August. "The only harvest I've missed was my first year," says Rocky. "I was born in August after the crew had already left. That first summer was the last summer vacation I ever had."

From that early start Rocky has become part owner of the family business "Taylor and Sons—Custom Harvest-

Rocky Taylor, at left, earned his state's Star Agribusinessman award. Below, he works from the "portable shop" to repair harvest equipment.

At left, the harvest crew prepares to begin their 1976 cutting season.

ing." He owns one of the two new 7700 John Deere combines and one of their three Ford wheat trucks. This year he and his father are buying another combine in partnership.

One thing Rocky has learned from his summers on the road is the importance of minimizing "down time." Break downs are avoided if at all possible by preseason maintenance and repair of worn parts.

In the early spring, Rocky and his father pull each of the machines into their new shop and go through them thoroughly, replacing or tightening all belts, and changing worn bearings and cylinder bars.

If breakdowns during harvest do occur, every effort is made to get the machine running as quickly as possible. "We probably averaged less than two hours of 'down time' a day with the two machines we ran last year," notes Rocky. "Our biggest problem is worn bearings, and we carry a replacement bearing for every one on the combine," he adds.

Part of the normal convoy that moves with the combines is a one-ton maintenance pickup. In addition to a full set of tools, it carries a welder, an air compressor, 250 gallons of gasoline and 145 gallons of diesel. It's a shop on wheels that helps keep the machines rolling.

Avoiding down time means staying on schedule and that keeps the customers happy. Many of the nearly 20 farmers for whom the Taylors harvest have been using their services for several years. One particular customer has been on their summer schedule since the operation began in 1954.

From the time the first big machine rolls into a field and the driver releases its drive clutch, until the last kernel of wheat flows from its huge bulk tank, the harvest moves almost non-stop. The crew rouses at 6:00 a.m. and eats breakfast prepared by Mrs. Taylor in one of two mobile homes that provide all the necessary conveniences of home. Then the crew prepares for the long day—greasing the machines, cleaning radiators, and fueling combines and trucks. Usually by 9:00 the straw has dried enough to allow the cutting to begin.

In the early afternoon, Mrs. Taylor brings lunch to the field. Combine drivers and truck drivers spell off at the necessary jobs to keep the combines running through the lunch hour. Then, with weather permitting, the machines continue to cut until midnight.

When rain cuts into valuable harvest time, as it sometimes does, work will continue through the night, to keep harvest on schedule. When even that extra sickle time does not get them caught up, the crew will separate, sending one combine ahead of the rest to appease the restless growers, anxious to get their crops into the bins.

In addition to Rocky and his parents, the harvest crew is made up of three local high school students and Rocky's two younger brothers, Cary, age 15, and Lyndon who is 14 years old. All of the boys on the crew either have held or have just been elected to chapter FFA offices. Rocky's father Robert holds an office with the local alumni affiliate to the FFA which headed a recent successful effort to build a new livestock show barn for the community. A highlight to the family's involvement with FFA came this spring when Rocky was elected as state FFA vice president for his district (even though it will mean interrupting some of Rocky's harvest activities to attend state leadership activities.)

During his 17 years of following the harvest North, Rocky says he's seen plenty of change take place. "The single most important change for us has been in the kinds of equipment available. The combines are bigger, more powerful, and at the same time more efficient."

In 1972, Taylors got their first machines with air-conditioning. That has made long hot days a lot easier to live with. Now there is music to break the monotony and citizens band radios to speed the field work. The crew's CB "handles" fit the situation. Rocky is the Green Giant (for his big, green combine), Cary is Wheat Whacker, and Mr. Taylor is Straw Chopper. Mrs. Taylor is Chuckwagon (because of her noontime deliveries) or just—The Boss.

As you'd probably expect from a young man with an almost straight A high school grade average who is busy with all sorts of community and church activities, Rocky has other FFA projects to add to his summer harvest activities. To prove he knows more about wheat than just how to put it into a bulk tank, he leases 80 acres from his father to raise wheat for himself. Also during his senior year, his livestock projects reached a peak with eight head of swine, ten head of registered Suffolk ewes, and half interest in 102 head of commercial ewes.

Now, after 17 years, a veteran of the highways and wheatfields that stretch the length of our country, Rocky sees some changes in his future. Despite his heavy involvement in the custom business which has helped him build his net worth to almost $50,000 worth of farm machinery and livestock, Rocky has set a new goal for his future. Inspired by his own very successful agriculture teacher Mr. Kent Pennington, Rocky will enter Oklahoma State University this fall to major in agriculture education. Until the day he graduates though, he'll have a few more summers of sickle time to think over his decision.

Citizens band radios are important for speeding field work and breaking monotony.

Still Going Strong

Over 4 million people have seen the livestock display.

By Agnes Harrigan Mueller

SINCE its inception in 1956, the Children's Barnyard sponsored by the Minnesota State Fair Board and the Minnesota FFA Association has been the most popular free attraction at the Minnesota State Fair. Over four million people have seen the special livestock display in the pole-type building with a red "barnlike" front.

"Our original intent with the barnyard was to provide farm experiences for city children and to encourage better farm-city relationships among adults and children," said Waino J. Kortesmaki, state FFA executive secretary.

Each year, the Children's Barnyard has featured the most common farm animals and their young. The breeds vary from year to year. Animals and fowl have included a dairy cow and calf, a beef cow and calf, a ewe and lamb, a horse and colt, a goat and kid, ducks and ducklings, hens and chicks.

During the eleven-day State Fair youngsters and adults can watch chicks hatching, goats with kids feeding from bottles, ducklings riding in a rotating boat, a mare protecting her colt, a sow with a litter and baby chicks riding a miniature ferris wheel.

Clifford E. Luke, vocational agriculture teacher and FFA advisor at Roosevelt High School in Minneapolis, served as adult foreman of the Children's Barnyard crew for the first fifteen years.

"It is a good learning experience for city children to see farm animals and their young. But farms have become so specialized today that even some farm children who attend the Fair haven't seen all the types of animals in the FFA Barnyard," Mr. Luke said.

Eight to ten FFA members chosen from 270 Minnesota chapters serve as attendants at the Children's Barnyard. To qualify, a student must know livestock, be dependable, of good character and personal appearance, and show freedom from immaturity. They serve as caretakers of the animal compound and as hosts and guides. The FFA member who shows the greatest ability is asked to come back the next year to serve as foreman of the attendant crew.

Viewers ask hundreds of questions each day. A six-year-old boy asked, "Who twisted the cow's horns?" Another boy observing a cow chewing her cud said, "Look, Dad, that cow is chewing gum." "Do the baby chicks have to pay for their rides?" a three-year-old girl inquired when she saw baby chicks riding on a miniature ferris wheel.

The first FFA attendants in 1956 had to sleep on the ground. In 1957, a "Chapter House" was built next to the Children's Barnyard. The house serves as a lodging place for attendants and a "home away from home" for FFA members attending the Fair. The land and landscaping for the house was provided by the Minnesota Agricultural Society, the State Fair's governing body. The house was financed by the Minnesota FFA Association.

In addition to its display of farm animals and their young, the FFA Barnyard has been the site of several contests. A hog live carcass weight guessing contest was held there. Former Minnesota Governor Karl Rolvag served as referee for a frog jumping contest. For the past six years, an Interstate Rooster Crowing contest has been staged there. Other contests have included a turkey galloping race and a four-hand novelty milking contest where each of four contestants milked one "faucet."

A weather reporting device which collects data on rain and snowfall was displayed at the FFA Barnyard. Fairgoers, weathercasters, Minnesota Governor Wendell Anderson, St. Paul Mayor Laurence Cohen, Minneapolis Mayor Albert Hofstede and State Fair officials were invited to guess the amount of rain that would fall during the Fair. The guesses were listed at the Barnyard.

Mr. Kortesmaki says FFA members will build a patio adjoining the Barnyard. It will have flowers and shrubs and a wishing well where people can throw in coins to be collected and used later for charitable purposes. Since 1953 Minnesota FFA Chapters have raised $400,000 in a variety of projects to donate to Camp Courage, a recreational camp for the physically handicapped.

During the past six years a joint FFA-American Cancer Society activity took place at the FFA Children's Barnyard. Minnesota FFA members distributed over 150,000 anti-smoking posters.

The Minnesota State Fair was the first to have a children's barnyard but they now exist in several other states. Although the display at the FFA Children's Barnyard was originally planned for youngsters, sixty percent of the visitors have been adults. The Barnyard has great appeal for a city resident who grew up on a farm and many adults, who have been city dwellers all their lives, say the FFA Children's Barnyard has educational value for their children.

Senator Humphrey and members with anti-smoking posters they distributed.

One of the greatest thrills is when the children can touch the animals.

Chuck in action at a horsepull. A stone boat is loaded with bags of sand to provide weight against which horses pit their strength. Near horse is Cutey, one of the greatest of all times with more than 240 first places.

Horses in His Future

By Bob Pride

IF YOU asked a computer to describe an ideal high school student chances are it would come up with something like this:

He's on the honor roll, sings in choir, he's good with mechanical things, stars on the basketball, football and track teams, he's tall, good-looking, good-natured, popular, a good family member and—in spite of all of the above—he's modest as well.

People around Chetek, Wisconsin, would probably recognize this as a pretty fair description of FFA member Chuck Schaaf, Jr.

But since computers don't know quite everything—yet—this one would have left out a couple of important matters. For instance, Chuck's biggest and most unusual interest of all: horsepulling. And the fact that this multi-talented 18-year-old senior has managed to shape almost all of his interests and talents into plans not just for an occupational future but a whole way of life as well.

Chuck plans to go to college next year and he hopes to become either a coach or an engineer. He'll narrow the choice down to one later.

"But whatever I do with my life you can bet there'll be horses in it," he says. "And that means a farm, at least a small one."

This past season Chuck's team, Doc and Dan, won the Middleweight Horsepulling Championship of Wisconsin. His trophy, more than half as tall as Chuck himself, stands in the Schaaf farm home in a room overflowing with more than 300 horsepulling trophies won by Chuck and his father.

Chuck comes by his competitive drive and love for big horses quite naturally. His dad has been winning horsepulling contests for 32 years. He still holds the Wisconsin records for middleweight and lightweight division.

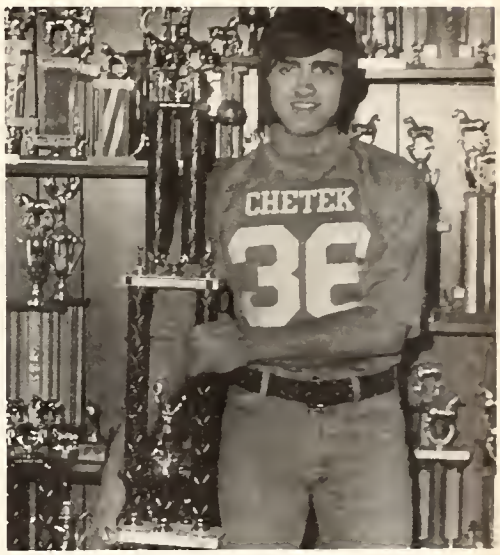
"The sport has grown tremendously in just the past few years," Chuck, Sr. says. "There's hardly a town that doesn't have a horsepull and of course it's a big attraction at county fairs."

Horsepulling is a family affair with the Schaafs. Chuck's younger brother Fritz acts as one of the "hookers" who hitch the team to the weight, most often a stone boat loaded with sandbags. Chuck's mother Mrs. Janet Schaaf is usually in the official's booth keeping records and helping the announcer identify teamsters and their teams. And his younger sister Sherry is in the crowd rooting for her brother and her dad.

Chuck started horsepulling four years ago when his father gave him his prized mare Cutey, one of the top pulling horses of all time with 240 first place wins to her credit.

This year Cutey turned 23 and the Schaafs retired her to pasture.

At a meet the teams pull in rotation. After each round more sandbags are added to the stone boat. Gradually teams are eliminated as they fail to pull the distance.



Chuck with his Wisconsin State Champion trophy in middleweight division. The Schaaf's have over 300 trophies.

The distance is 27½ feet, a figure seemingly plucked out of nowhere by nobody knows who.

But Chuck explains. "It's simply a distance generally agreed upon among teamsters as a good test of both power and endurance. Yet it's not so far that a horse is likely to strain himself."

The big horses are as competitive as their owners. Standing quietly on the sidelines awaiting their turn they are gentle giants. idly switching a fly, reaching down to crop a mouthful of grass, or permitting a child to be placed upon their broad backs for a picture. But when their turn comes to head for the pulling arena they become tremblingly eager. Tails stiffened. necks arched, ears forward, they prance into position.

(Continued on Page 50)

Get to Know Your Saddle

THE history of the cowboy's saddle is one of constant change and modification to fit the prevailing needs of the rider. No tool save the sword and lance has followed more closely the creed, "form must follow function."

From the time that Cortez unloaded his 16 war horses on Mexican soil in the year 1519 until the present, the western saddle has been continually modified...and is changing today.

Eight ancestors of the western saddle can be identified to help today's horseman better appreciate the development of the equipment that he rides.

The Spanish War Saddle, popular in the sixteenth century was built for security and protection with high swept back fork and wrap around cantle. The saddle bore the design of Moorish domination of the Spanish land and was a modified combination of both African knowhow and the Crusader's saddle of Europe.

The Mexican Vaquero Saddle was born around 1700 and is still in use today. As Spanish colonists learned that a rope has an advantage over a pike pole for cattle work, they reworked their father's war saddle. The high fork was whittled down and a horn fashioned to use as a mobile snubbing post.

The Early California Saddle of 1800 developed in colonial Mexico and was further modified in California and Texas. Distinguishing features of the saddle were a removable tree covering called a mochilla, with large pockets on each side of the fork and the "aquera," positioned behind the mochilla to protect a senorita's dress who rode behind her Californio.

The Santa Fe Saddle of 1800 was an offshoot of the California or Spanish saddle. The early Anglo trappers recognized the many advantages of the Spanish saddle and adopted it to their needs. It had a flat horn and handholds cut into the cantle.

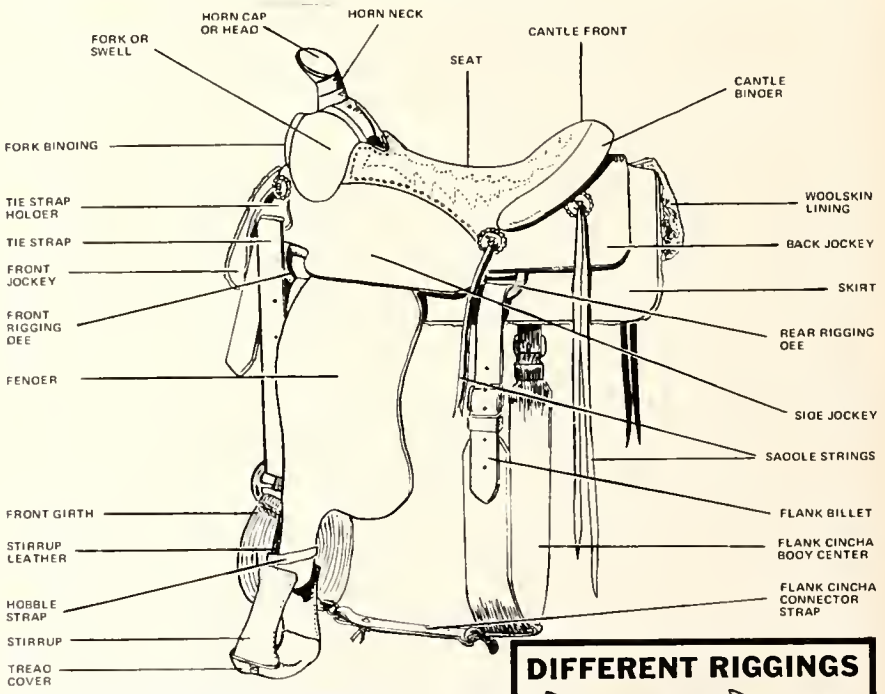
The Early Texas Saddle, popular in the 1850's grew up in the South Texas brush country along with the cattle business we know today. The system of tie-hard roping necessitated a stronger horn and for the first time a steel horn was belted to the fork.

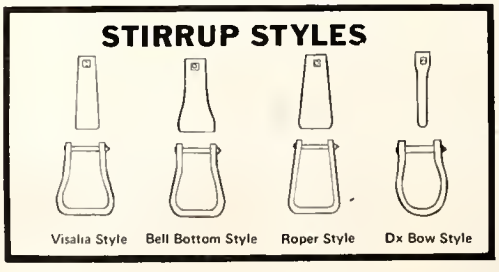
The Texas Trail Saddle of 1870 developed as millions of longhorn cattle plodded the trails herded by cowboys who needed a stronger, more comfortable rig. The rawhide bound tree had an "A" fork, a fairly low cantle and bars designed to fit the horse better than the saddles that had gone before.

The Late California Saddle of 1870 was a product of the Spanish influence along the Pacific Coast. Distinguishing features included long tapaderos up to 28 inches long used over oxbow stirrups. Skirts were lined with wool to hold the saddle blanket in place. Saddle pockets attached behind the cantle were often covered with bearskin to add a final touch of fashion to the buckaroo's outfit.

The Swell Fork Saddle of 1895 was a new innovation in saddle design originating from the Northwest. It rapidly became a favorite wherever big rank horses were ridden. During its heyday the swell fork spread up to 22 inches. Today's saddles seldom exceed 14 inches. Today the bronc rider and cutting horse man ride slimmed down versions of this saddle.

Today's Saddle continues to follow the time honored tradition of "form follows function" although major changes in fork width, cantle height, horn style and rigging position and strength are continually made to fit the variety of specialized jobs saddles are used for today. Ornamentation continues to become more a part of the workday saddle look with hand tooling or embossing of the leather, color, buckstitching and even silver trim used. Beneath these changes there is however, the same basic saddle used when horses first came to the American continent.





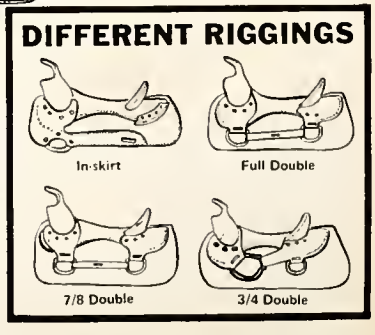


Illustration courtesy Tex Tan Western Leather Co.

When a boy is ready for his first shotgun, he's ready for a Winchester.

When you give a boy his first gun there's something that happens between the two of you. Maybe it's a sense of growing together or just having a good time. But what ever happens, you're making a lot of dreams come true. To him, it's a milestone, a sign of your trust and his maturity. So the gun should be as good as the things it's going to mean to the both of you.

The Model 37A is a single barrel shotgun with all the quality and heritage of every Winchester. It has sure-grip checkering on a richly finished hardwood stock and forearm. A Proof-Steel barrel and a top lever that opens left or right for fast, easy handling and automatic ejection. All at a very affordable price. There's also the Model 37A Youth for the younger new shooter. It has all the same quality features of the Standard model only a little smaller and lighter. Plus, a comfortable rubber recoil pad.

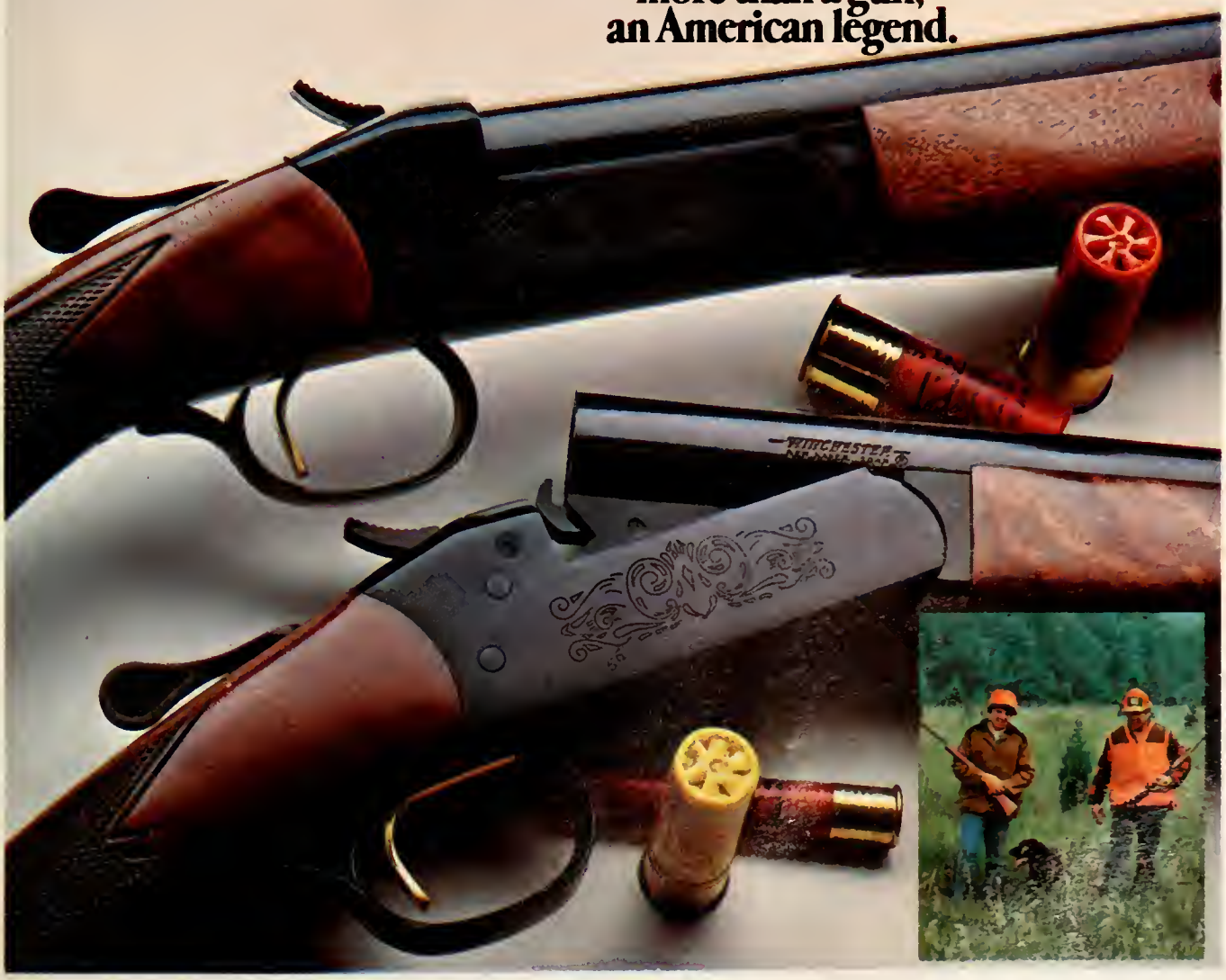
The Standard Model 37A is available in: 12, 16, 20, 28 or 410 with Full choke.

The Model 37A Youth is available either in 20 gauge with Improved cylinder or Modified choke, or a 410 with Full choke.

Give him a gun that he can give to his son. Give him a Winchester Model 37A.

WINCHESTER®

more than a gun, an American legend.



The Product Support Center

See your IH Dealer about these special programs

- New Parts & Service Products
- Agriculture Tractor Service Policy
- Outdoor Power Products Service Maintenance Agreement
- Standby 7 Parts and Service, Weekend Support

A New dimension in IH® Dealer service that means People Serving Customers.

When a farmer needs parts or service during planting or harvest time, he needs it quick.

Nobody knows this better than an IH Dealer, and that's why we helped develop an approach that is unique in the agricultural equipment business.

The Product Support Center idea is a combination of specially trained people familiar with the particular needs of the IH users in their community. Its purpose is to minimize customer downtime and maximize performance by making sure farmers get these two money-saving benefits:

- That the part he needs is at the right place at the right time—so his machines keep working instead of waiting.
- And that the repairs or overhaul he needs can be done quickly by well-trained people—so the job gets done on time and gets done right the first time.

When you stop by your Product Support Center, you'll find your IH Dealer and his people are just as determined as you are to grow a great crop—only his crop is satisfied customers.

IH Stand by 7

INTERNATIONAL HARVESTER

LOOK WESTERN

It's a star spangled year for Western fashions. Dress for the celebration in great American traditional style.

"The Great American", a new fashion boot features the popular "blunt toe" and stacked heel. Matching belts available in stitched and laced styles. Justin Boot Co., P.O. Box 548, Fort-Worth, TX 76101.

"Durango West" style DW1711 is men's 12-inch cowboy boot with medium round toe, walking heel. Is fully leather lined. Harmon & Crook, Inc., Suite 521, 1808 West End Building, Nashville, TN 37203.

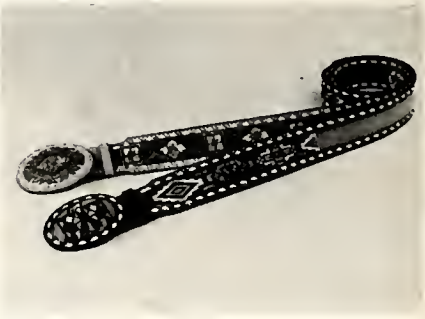
The look says "Let's Rodeo" together in Nocona's styles #L64 and #7312. Matching men's and women's boot of Tolo Brown Lancer leather. The Nocona Boot Co., Inc., P.O. Box 599, Nocona, TX 76255.

Above, Handler-Fenton Westerns feature sculptured yoke in imported Texson shirt (style 25-04-005). Bright print sets off yokes. deBruyn Advertising Inc., 3707 Admiral Street, El Paso, TX 79925.

Tony Lama's version of All-American boot for the 200th birthday of the nation. Tri-color eagle pattern is accented with numerals "76." Tony Lama Company, Inc., P.O. Drawer 9518, El Paso, TX 79985.

Left, Southern Saddlery, Inc., introduces new show halters and bridles featuring decorative hardware. Available for horses and cattle. Coy Burnette and Associates, P.O. Box 2063, Dalton, GA 30720.

Right, New belts from Tony Lama with top grain cowhide and handpainted with white latigo buck-stitching. Comes complete with dress buckle. Tony Lama Co., Inc., P.O. Drawer 9518, El Paso, TX 79985.



Below, SIMCO's new show saddle series—"Gray Equitations"—in 12, 14 and 15-inch seats. With equitation style front and rounded swell. SIMCO Leather Company, 1800 Daisy St., Chattanooga, TN 37406.

Below, "Rodeo Man" shirts from Dickson-Jenkins show favorite rodeo event. Scenes are incorporated into printing on yokes. AA&PC, Suite 106, Westchester Square, P.O. Box 1151, Fort Worth, TX 76101.

Below, A version of rugged Western jacket from Levi's. Of heavyweight all-cotton denim with sherpa lining of 100 percent polyester. Levi Strauss & Co., Two Embarcadero Center, San Francisco, CA 94106.

This "Catfish" is hooked on his Remington 1100.

Listen to why the world's most famous Hunter hunts with America's most popular shotgun.

"I've tried other automatics. But I always get more birds with my 1100. It's all the gun I want to shoot. I switch from a 26-inch skeet barrel for dove and quail to a 34-inch full choke for ducks and geese.

"When I throw that 1100 up to my shoulder, it goes right where I want it. Doesn't kick like a lot of other guns, either. I've been using the 1100 for eight years now. I shoot two or three cases of shells a year through it, because I usually hunt four days a week from the start of the hunting season till I go to spring training.

"Most of the time that gun stays in my truck. It gets pretty shook up. But it's never once hung up on me. Never.

"An 1100 is a gun you can depend on. I've proved that. And Remington's kept the price to where just about anybody can afford one."

With a gun this good and a price this good, it's no wonder so many hunters—including this Hunter—are hooked on Remingtons.

Remington. DUPONT

"Remington" is a trademark registered in the U.S. Patent & Trademark Office.

Jim "Catfish" Hunter,
professional baseball player

Bicentennial Briefs

Mauston joins up with Bicentennial Wagon Train headed for Valley Forge.

ACTIVITIES of many FFA chapters were in full swing during the summer months of 1976. The *Mauston, Wisconsin,* Chapter had the pleasure of hosting the Bicentennial Wagon Train as it passed through on its way from the West Coast to Valley Forge, Pennsylvania, for the Fourth of July. The chapter with its own wagon joined the train and travelled with it for a full day. Then working with the Lion's club, presented a pageant at their evening's encampment. Community leaders presented scrolls, pledging their support of the ideals for which this country was formed, and signed by 1,500 area people. The next morning the chapter gave a send-off breakfast to the wagoneers.

Out in the West, the Buffalo Bill Chapter of *Cody, Wyoming,* performed a wreath laying ceremony in commemoration of Buffalo Bill's birthday. Buffalo Bill had founded Cody and is well known throughout the country. One of the freshmen vo-ag students gave a speech followed by the playing of taps.

In *Georgia,* the *Worth County,* FFA Chapter organized a display of old farm equipment consisting of approximately 100 pieces of old mule-drawn and early tractor-drawn farm equipment. Over 800 people visited the exhibit. Girls in the chapter boiled over 300 pounds of peanuts to serve to the crowd.

A similar display was organized by FFA members in *Shreveport, Louisiana.* With the cooperation of area farmers they were able to assemble an assortment of farming tools and equipment which have passed into antiquity. On display were gee-whizzes, double shovels, single-trees and sulky plows.

In *Minnesota,* FFA members at *Stillwater* sent a small Norway Pine tree off in a covered wagon headed for Valley Forge. The Norway Pine, native tree of Minnesota, was one of the 2,000,000 trees planted for landowners in Washington County, since 1960 by machine-planting crews of FFA members.

Newark staked out the "Land They Love" with a Bicentennial highway sign.

Members of the Parker, *Janesville, Wisconsin,* Chapter took their Bicentennial activity to elementary schools. A Bicentennial flag program was organized. Forty members carried out the program illustrated with 12 historic flags they had painted. The program included the history, care, use, and meaning of the flag and Pledge of Allegiance. Over 3,250 students saw the program.

And finally, in *Illinois, Newark* Senior FFA members erected a sign to stand on their agriculture plot. Designed with a patriotic theme, it described their land and our country—"The Land We Love."

Stillwater president Ron Michels and Julie Myhra hold the Norway Pine ready for its ride to Valley Forge. Scene is Minnesota Fairgrounds.

Local youths at Janesville practice flag folding, after instruction by members of the FFA chapter. Ten elementary schools were given the program.

Cody members pay tribute to their town founder Buffalo Bill. They combined Bicentennial event with recognition of their local history.

Worth County peanut boiling crew dished out 300 pounds of Georgia peanuts to visitors.

Shreveport Bicentennial exhibit of old machinery reminded community of the amazing progress made in agriculture.

You've come a long way, farmers of America. From 1 horse or ox to 180 "horses" today. Our new 180 hp* Model 1570 symbolically measures the progress of the American farmer thru the years.

The Spirit of '76 shown above is a limited edition of the new Model 1570...our tribute to the Bicentennial. It typifies the pioneering tradition of Case dating back to the first steam engine for agricultural use.

Look back over agriculture's progress of 200 years. Consider the tremendous advances in farm mechanization in just the past 75 years. Then you know that America's pioneering spirit still lives. And the agriculture of tomorrow may well outstrip the progress of the past two centuries.

You and Case will be an important part of that tomorrow. J I Case Company, Racine Wisconsin 53404.

*Manufacturer's rating.

J I Case
A Tenneco Company

TENNECO

doing something about it.

case

Most of the equipment and components needed to reload shotshells—primer, shot, powder; shot columns, press and a reloading block.

Discover Reloading

By Joe St. Denis

MORE and more shooters are discovering a whole new side to their sport. Reloading, once the almost exclusive pursuit of trap, skeet and competitive rifle and pistol shooters, is gaining popularity with an increasing number of upland, waterfowl and big game hunting sportsmen.

The original motivation for reloading was the significant savings it afforded the target shooter who burned up a lot of ammunition in his quest for accuracy. Economy is still an important consideration but the new breed of reloader is into reloading for other important reasons as well. One of these, the versatility in building a load that will perform exceptionally well in a specific gun, has resulted in some almost impossible feats of accuracy. An example of this refinement is a new national record set recently, of .009 inch spread in a 5-shot group at 100 yards. As a matter of fact, 5-shot groups measuring less than a tenth of an inch between the widest shots are not uncommon in bench rest shooting today. Add economy and accuracy to the pure pleasure of experimenting and building exceptional ammunition and you can easily see why shooting sportsmen are turning to this "hobby within a hobby."

To demonstrate just how much you can save in reloading, Jess Stockstill Shooters Supply, Grapevine, Texas, made a price comparison between factory loaded and reloaded shotshell ammo recently at a reloading clinic held for local shooters. Basing the comparison on a normal field load of 2¾ inches, 12 gauge shells with 3¾ dram equivalent powder and 1⅛ ounce of shot, the reloads averaged out at $1.60 per box of 25. Compared to the lowest sale price of $4.59 for equivalent factory ammo, the price differential of $2.29 per box amounted to a savings of 65 percent. This was based on using the smallest quantities of components sold at the store. Buying in bulk sizes would have reduced the cost even more.

Getting started in reloading can be done at whatever level your wallet and shooting needs dictate. Starting with inexpensive hand held tools and working up to very sophisticated presses, a wide range of reloading equipment offers a selection to fit every shooter's needs. All you will require to build functional and safe shotshell reloads, for example, are the components to replace those expended in the fired round, such as

(Continued on Page 66)

After decapping, a fresh primer is then seated into the primer pocket.

After powder charge has been inserted, a plastic shot column is pressed down.

A finished reloaded shotshell, hard to distinguish from the factory load.

DW1734

DW1712

DW1714

DW1711

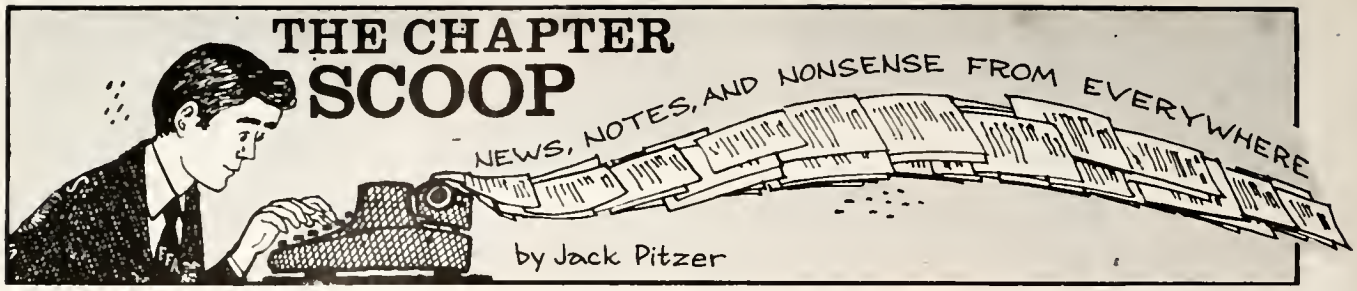
LEATHER INDUSTRIES OF AMERICA
AMERICAN DESIGNER AWARD
1976

Larry Logan, (right), designer, accepts the American Designer Award for creative contributions to the leather industry.

DURANGO WEST

DURANGO BOOT FRANKLIN TENN 37064

USI A U.S. INDUSTRIES COMPANY.
And that makes a world of difference.



Hobby for *Billings,* Montana, member and state officer **Mike Sartorie,** is stock car racing.

N-N-N

They have a nervous novice class in *Eatonville,* Washington, horse show.

N-N-N

Stars and stripes forever will adorn a new A-frame hog house built by *Alton,* Missouri, members. Bicentennial tribute to big feeder pig business in their county—a red, white and blue paint job.

N-N-N

David Ohayon and **David Rosin** were just two of the 21 sophomores stuffed into a VW for class competition of spirit week at *Covina,* California.

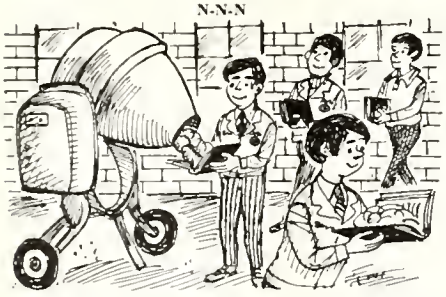
N-N-N

Ned Digiovanni, president of *Motley,* Minnesota, displayed "three little pigs" for school kids.

N-N-N

CB handles of *Oakdale,* Louisiana, FFA Chapter officers are: president, Rocky Mountain Man; vice presidents, White Cloud and Sugar Lip; sentinel, Plow Boy.

N-N-N



Junior-senior class at *Marysville,* Ohio, has learned the art of pouring concrete in their studies.

N-N-N

Surprise gifts for advisors of *Forest Grove,* Oregon, at banquet were tee-shirts with their nicknames.

N-N-N

Lancaster, Ohio, FFA joined FBLA members for skating party.

N-N-N

An annual Family and Friend Night is hosted by *North Hunterdon,* New Jersey, Chapter.

N-N-N

Teachers in *Sandpoint,* Idaho, wear paper owl name tags FFA WEEK.

N-N-N

In *Fruitland,* Idaho, chapter asked local man to clean, spin, wash, dye and weave wool into fabric for a fine new blazer for their advisor.

N-N-N

After digging ditches for sprinkler system in senior citizens' apartments, the *Otis,* Colorado, FFA put up a flag pole and gave a new flag to fly.

Your National Officers are getting around. Secretary **Mike Jackson** visited *Cedar Springs,* Michigan. And President **Bobby Tucker** spoke at *Belen,* New Mexico, banquet. Plus he gave the Sunday sermon at the church near the FFA Center last weekend.

N-N-N

Much excitement at *Hanston,* Kansas, parent banquet. Spent 20 minutes in basement during tornado alert. No casualties.

N-N-N

Reporter **Kyndell Nichols,** *Fairview,* Oklahoma, recognized help of local newspaper staff. Nice gesture.

N-N-N

New '76 pickup bought by *Lake Forest,* Delaware, Chapter has camper top. Insured for students to drive.

N-N-N

Sure wish chapter reporters would type items—lots easier to read. And how 'bout hitting the double-space key.

N-N-N

For variety, *Ledyard,* Connecticut, FFA includes some wildlife species as part of their kids-meet-animals effort.

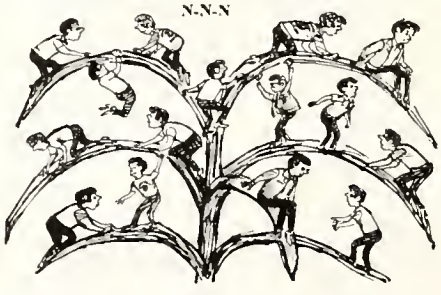
N-N-N

Marvin Schroer was declared pizza eatin' champ—25 slices—at pizza feed hosted by *Clay City,* Indiana, for leadership contest participants.

N-N-N

Phill Reed of *Washington,* Iowa, FFA was asked by county Democratic committee to be their official parliamentarian for county convention.

N-N-N



Fifty members of *Fairview,* Montana, Chapter toured a "sugar refining plant."

N-N-N

Martinsburg, West Virginia, Chapter homemade applebutter sales peaked at 200 gallons last year.

N-N-N

Cabrillo, California, Chapter banquet guests signed a guest book on entry.

N-N-N

West Marshall, Iowa, FFA'ers helped elementary students plant 100 spruce trees around the football field.

N-N-N

Membership of *Hereford,* Maryland, chapter has tripled in one year to 180.

Chapter camping trips are popular this spring and summer—*Georgetown,* Illinois; *Lancaster,* California.

N-N-N

"Our weekly radio tapes aired on KOUR have served as good public relations." *Jesup,* Iowa.

N-N-N

An FFA Calendar makes a fine expression of goodwill from a chapter to an agribusiness firm.

N-N-N

South Kitsap, Washington, FFA held a pronto pup sale.

N-N-N

Fourteen *Wellman,* Iowa, members rode motorcycles in the July Fourth parade and passed out bubble gum.

N-N-N

And a team of *Leon,* Iowa, members rode their horses to carry flags and lead July Fourth rodeo parade.

N-N-N

Three seniors of *Davies Vo-Tech* in Rhode Island were also class officers.

N-N-N

FFA at *Dawson-Boyd,* Minnesota, sponsored a meat sampling to increase awareness for farmer's products.

N-N-N

Hobbs, New Mexico, put up road signs to welcome people into their town.

N-N-N

They had a pancake eating contest in *Beardsley,* Minnesota.

N-N-N

And a pizza eating contest in *Blooming Prairie,* Minnesota.

N-N-N

Local farmers get a free lunch from *Echo,* Minnesota, Chapter during FFA WEEK.

N-N-N

FFA'ers in *Rison,* Arkansas, are proud of their membership and so their chapter put up a bulletin board listing all the members.

N-N-N

Special feature of Food For America project by *Blue Earth,* Minnesota, Chapter is planting a seed in ½-pint milk carton for each little one.

N-N-N

There is always a new idea out there a chapter could share with another chapter. The place to share is in Scoop.

Here come the Marines, lean, hard and fast.

The first thing you should realize about the Marine Corps is this: we're a *military* organization. Nobody likes to fight, but somebody has to know how. And being *ready* for combat is what we're all about. One of the important foundations of Marine readiness is physical fitness. Keeping in shape is serious business with us. Strength and stamina are potentially more vital to a Marine than to a professional athlete. *Every* man—from private to general—must stay in fighting trim. No exceptions, no surprises—each Marine, a dependable member of the team. So, we're looking for a few good men who can keep up. Men who can stay fit, move fast and stand ready. Men quick of mind and strong of body, who can learn our skills, seize our opportunities for education, uphold our traditions and proudly serve in this elite Corps. Mail the card or call 800-423-2600, toll free. In California, 800-252-0241.

The Marines are looking for a few good men.

Stretch your pickup truck capacity with

A Gooseneck Trailer

Need a large truck but only occasionally? If so, you may be able to solve your problem without buying a big truck.

GOOSENECK trailers, when teamed with a conventional pickup truck, offer an attractive solution for the dilemma encountered by many farmers; an occasional need for the capabilities of a large truck for hauling grain and livestock, but not enough use to justify the investment in the larger truck.

As the name implies, these trailers include a gooseneck or arched tongue arrangement in which the connection point between the pickup and the trailer is slightly ahead of the truck's rear axle. Location of the hitch point in this spot eliminates many of the handling and performance problems encountered when a trailer is coupled to the pickup at the rear bumper.

Typically, about 20 percent of the total weight of the trailer and its load is imposed upon the hitch point. In addition, the pickup truck is supplying all of the "drawbar pull" to move the load. Thus, it's desirable for the pickup to be rated at least ¾-ton capacity.

The truck should be equipped with power steering and power brakes, heavy duty suspension and heavy duty battery.

Bed Length Usually 14-16 feet

If the trailer is intended for hauling both grain and livestock, the length of the bed should be either 14 or 16 feet. Lengths shorter than 14 feet do not provide adequate capacity to justify the cost of the chassis and running gear.

Bed lengths over 16 feet present problems in hoist capacity and load carrying capacity of the chassis when the bed is loaded with high density materials such as grain.

Even though a pickup truck may be capable of pulling a loaded trailer at a comfortable highway speed, Massey-Ferguson machinery specialists emphasize that it cannot be depended upon to stop the loaded trailer safely, especially in an emergency situation. Therefore, it's important that the trailer be equipped with an adequate braking system, and safety breakaway control which automatically sets the trailer brakes should it come unhitched from the towing vehicle.

Preferably the trailer's braking system should operate automatically in connection with the braking system of the pickup truck in normal situations. But it should also be arranged so that the brakes can be operated independently under slippery conditions. You should be able to apply the trailer brakes without applying the truck brakes, to avoid jack knifing the truck-trailer combination.

Jack Capacity Is Important

When the trailer is detached from the pickup truck it is usually supported by a jack at the front of the trailer bed. The jack should have the capacity to support the front of the trailer even when fully loaded, and it should have sufficient range of travel to lift the hitch point at the front of the gooseneck high enough to clear the pickup bed.

With this capability, the pickup can be detached for separate use, even when the trailer is loaded. This jack capability also makes it possible to pull the loaded trailer from a muddy field with a tractor and then transfer it to the pickup for highway travel.

To pull a gooseneck trailer with a tractor, the tractor must be equipped with a drawbar in the lower links of the three-point hitch. The drawbar carries the hitch ball that matches the socket on the trailer tongue. The tractor should be equipped with adequate front weight to provide safe tractor operation with the vertical drawbar load imposed by the trailer.

In typical field operation, trailer braking capability will probably be less critical than for highway operation. But it may be desirable to arrange the brakes so that they can be controlled from the tractor as well as from the pickup.

Safety Requirements, Licensing Vary

Machinery specialists point out that governmental regulations on safety features and licensing vary considerably from state to state.

In general, mud flaps are required in

(Continued on Page 66)

A gooseneck trailer replaces a larger truck for hauling grain and livestock on an occasional use basis. The trailer can also be hitched to a tractor for field use.

MR. RAT GUARD

... WANTS YOU - FOR A PROFITABLE FUND RAISING PROGRAM

MR. RAT GUARD, the most effective rat bait on the market, is a product needed by farmers and ranchers. Now your FFA Chapter has the opportunity to utilize this product in an exciting fund raising program.

60 DAY PROGRAM

We will ship on consigment the amount of MR. RAT GUARD you feel your chapter can sell in 60 days. For every pint you sell, you make $1.25. For every 24 pints sold you get one MR. RAT GUARD T-shirt free. Each case of 24 pints will be sold for $59.76. You keep $30.00 and send us $29.76.

At the end of the 60 days you may ship back collect the remaining product not sold.

No.of Cases	Your Profit
1	$ 30
25	$ 750
100	$3000

Write for free literature

DEKALB PRODUCTS DIVISION
525 Brickville Road
Sycamore, IL 60178

Phone: (815)895-9542

As former Star Farmer and Agribusinessman from Oklahoma, Wade and Drew Christensen, know what it takes to get started in farming today. They've learned to mix business sense with necessary capital and hard work.

Do You Want To Farm?

"You've either got to inherit it or marry it" is an old saying. Just how true is that today?

GETTING a start in farming these days is not easy. But it is not impossible either, even for young people without farm backgrounds, according to a group of agri-bankers who met last spring at a seminar in Chicago to discuss the problems of financing young farmers.

The bankers who took part offered their observations and tried to answer some of the tough questions involved.

What does it take to get started? The bankers agreed that of the young people who desire to enter farming as a career, those most easily accommodated by any lending institution are sons and daughters of farmers who desire to establish their own career in farming. While this group is by far the easiest to accommodate, it is by no means an easy or simple task to become established in farming. One of the foremost requirements is the sincere desire to farm. Along with this the young man or woman trying to get started needs the willingness to endure the many hours of arduous labor. Young couples must go without some of the comforts they would like to enjoy in order to reinvest excess cash in improving and expanding the farm business. They must have the understanding that farming cannot be just a way of life. It has to be a profit oriented business. To begin building a future in farming, young people have to start with some kind of a base from which to grow.

How do you build a base? There are a number of alternatives for building a base which have proven successful to the beginner. Among them are the renting of land and using machinery in exchange for labor. Young people without a farm to inherit might need to work an off-farm job for a source of capital while starting a small labor intensive livestock operation (such as a hog farrowing operation or growing out light calves). When young farmers build this kind of base and add the initiative, enthuiasm and imagination it takes to grow, opportunities will present themselves along the way. Opportunities to buy land and equipment are then based on the beginner's ability to expand his or her credit, using it as a tool, not a crutch.

What might be a typical progression for entering farming? A usual progression for getting a start might include first, obtaining your own equipment. Once this is done the next step is to lease land from which you can build a cash flow. The final step and one that may take several years is the buying of land. Some farmers never reach this goal.

What do agricultural lenders look for when making farm loans? Farming is not a way of life for every young man or woman. As a parallel to this not every young man or woman that wants to go into farming deserves or should receive the financial support of his banker. One banker offered the cri-

Farmers today are profit oriented businessmen. Investments include machinery.

teria upon which he judges the applicants for credit. This criteria is character, capacity and collateral. Because of the tremendous amount of capital required, it in turn creates a much heavier emphasis on the first two criteria—character and capacity.

Another banker suggested that management ability had to be the key factor in addition to credit worthiness. Planning the enterprise so it will create enough income to meet expenses, including interest, debt repayment and family living is a must in order for the young farmer to make progress. One of the panelists asks himself this question, "Does this man have the ability to do the job given the other necessary inputs. If as bankers, we can answer this question yes, then it is up to us to find some way to not only help him get started, but to keep him going and growing in his farming venture."

Why do some beginning farmers fail? It takes objectivity to say why one farmer will be with us in future years and another one will probably fail. A good operator is one with "staying power." Some of the problems noted by one banker was the lack of customer's ability to manage resources. In other words "to put it all together." The operator was in and out of one program after another. Another problem was the over extension in new machinery, usually contract buying when getting started. Usually, too, there was a correlation between failure and the operator's inability to fix or maintain his equipment. Another problem area was that the bank was "too easy" on the beginner by over extending credit to him.

Once started how can you control risks? The bankers urged both young and established farmers to take some of the following steps: purchase enough life insurance to cover real estate debt, use forward contracting on a regular basis to cover basic operating costs. Plan to minimize estate taxes through trusts, family corporations and other arrangements. And use realistic cash and operating plans to allow for reverses beyond your control, such as declines in market prices, sharp increases in input costs, bad weather and outright crop failure.

In summary. Years ago honesty and hard work were generally the requirements for obtaining a farm. Today these qualities are still important but no longer assure success. Business sense, access to the necessary inputs and management ability are all factors today. Most young men and women recognize the problems that exist and in spite of this many are willing to give it a try. People in financial, governmental and agricultural communities are making an effort to find solutions to the increasing dilemma of helping them get a start in farming.

Sergeant's

WORM-AWAY®
FOR DOGS
For The Removal Of Large Roundworms (Ascerids) In Dogs.
12 CAPSULES, 140 Mg. Piperazine each

WORM-AWAY®

ONE OF 200 QUALITY TESTED SERGEANT'S® PET CARE PRODUCTS.

Large roundworms are dangerous. In fact, untreated, they can kill your pet. You can't prevent your dog or cat from picking up roundworms, but it's easy to get rid of them with Sergeant's Worm-Away® Capsules. They're fast acting and mix easily with food. Sergeant's makes other worming products, too. Sure-Shot® Capsules and Puppy Capsules for hookworms and Tapeworm Medicine.

Sergeant's
the pet care people

©1976 Miller-Morton Company, subsidiary of A H Robins Company

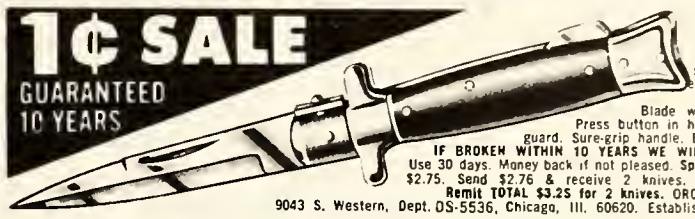
TOMATO GREENHOUSES

Make big money raising vine ripened tomatoes and other vegetables year 'round for the wholesale market in your own Sol-Aire greenhouse. Big commercial 1,200 plants 30' x 124' automatic climate controlled growing unit. We are a grower and manufacturer with schooling at our farm available and/or complete training manuals for our customers. Absolutely the most advanced greenhouse and growing system in America today. Come visit us and see for yourself. It could pay you big dividends! Free details. Contact Everlov'in Tomato Program, Route 2, Box 31-A, Lacey's Spring, Alabama 35754. Tel: 205-883-1800.

POA

20th Int'l POA Sale
October 15-16, 1976
Marshalltown, Iowa
Contact: Pony of the Americas Club
P.O. Box 1447
Mason City, IA 50401

1¢ SALE
GUARANTEED 10 YEARS



The knife for hunting, fishing and all around use. Mirror polished, imported stainless steel blade honed to a razor's edge. Rugged. Opens with flick of finger. Locks into position. Blade will not close when in use. Press button in handle to close. Safety finger guard. Sure-grip handle. Balanced for target throwing. **IF BROKEN WITHIN 10 YEARS WE WILL REPLACE AT NO CHARGE!** Use 30 days. Money back if not pleased. **Special 1c Sale.** REGULAR PRICE $2.75. Send $2.76 & receive 2 knives. Add 49c postage, handling. **Remit TOTAL $3.25 for 2 knives. ORDER NOW!** Midwest Knife Co., 9043 S. Western, Dept. OS-5536, Chicago, Ill. 60620. Established 1936. Mail Orders Only.

The Weaver K4: Only Weaver can make a hunting scope this fine for under $65*.

Weaver's found ways to make great scopes, without frequent or sizeable price increases. And without cutting quality.

How? By increasing our productivity. We've automated where we can, without sacrificing handmade quality. We've designed our machines to get the most out of them. We've made real breakthroughs in manufacturing efficiency.

You know our K Models: America's favorite hunting scopes for more than 30 years. Weaver was first with one-piece, all-steel tubes. And hermetic lens sealing. Weaver either initiates or incorporates the very finest features possible in a quality scope. That's why Weaver is tops when it comes to field dependability.

Ask your dealer how we still can make a scope like the K4 for less than $65*. Or send for our free 1976 catalog: W. R. Weaver Company, Dept. 93, El Paso, Texas 79915.

*Suggested retail price

WEAVER SCOPES

The Great American Scope.

The future of hunting is on our shoulders.

Let's face it.

If everyone who really loves hunting is going to make the sport as safe as it possibly can be, then we've all got to share in the responsibility.

That's why we want everybody to take the Marlin Safety Pledge.

I pledge myself as a hunter to respect the environment which has made my sport possible.

I pledge my support of state and national conservation programs and all hunter safety courses.

I pledge to help protect my rights as an American to hunt and shoot by practicing the safe and proper use of firearms and obeying all game laws and safety rules.

The Pledge is a real commitment to safe, sensible hunting. And for everyone who takes it, we've got a good-looking, blaze orange shoulder patch. Plus a wallet card and certificate suitable for framing.

To get yours, just tell us you've taken the Pledge in a letter along with your name, address and 50¢ to cover handling and postage.

Send to: Safety Pledge Program Director, Marlin Firearms Company, Dept. F, North Haven, Connecticut 06473.

Take the Marlin Safety Pledge now. Like the thousands who already have, you'll be doing something worthwhile for both yourself and hunting.

Marlin

Made now as they were then.

Horses in Future

(Continued from Page 31)

hooves half as big as bushel baskets thudding the ground.

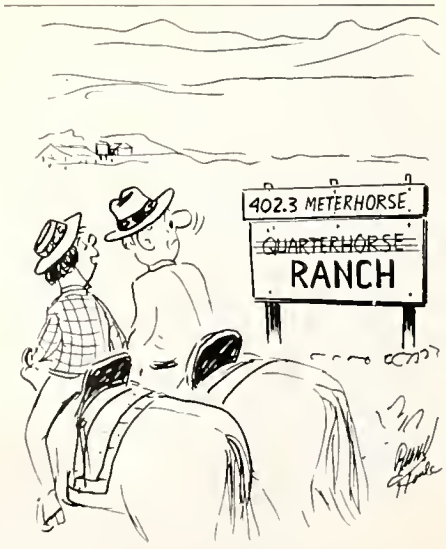
Altogether the Schaafs have eight teams on the 160-acre farm south of Chetek. All are half-Belgian, half-Percheron geldings with the exception of Cutey, the anomaly, who besides being a mare is half saddle horse.

Both Belgians and Percherons are descendants of "the Great Horse of Flanders." From this pre-historic ancestor the draft horse was bred up to its present size by knights back in the days when a mighty hunk of horse was needed to bear up under 600 pounds of armor while sallying forth to rescue fair maidens.

"Actually the win that gave me my biggest thrill last year was at the Sherburne County Fair in Minnesota," Chuck says. "There was a big crowd—about 4,500 people. Most of the top teamsters from around the country were there. And Doc and Dan pulled 7,500 pounds the full distance to take first place."

Because a middleweight team can weigh up to 3,200 pounds this is more than twice the body weight of Doc and Dan combined. Incidentally, Chuck says that pound for pound a good team can outpull a tractor.

Unseen during the drama of a meet, but present nevertheless, are the long hours of patient conditioning Chuck puts into his team. The pulling season lasts through the summer into late September. Each day, from the time snow melts until shoes are pulled and Doc and Dan are turned out to pasture in the fall Chuck hitches the team to a four-runner sleigh and takes them eight or nine times around a three-quarter mile track on the Schaaf farm. He makes four or five stops to rest the horses, "depending on how hot it is."



"The metric system is coming into effect sooner or later, father, so I . . ."

Drive and determination add inches to Schaaf's six-foot height. Here he (Number 25) picks one off the backboard.

The Schaafs have never bred horses. They prefer to buy a fully grown horse whose looks they like.

"When you grow your own you have to wait for four years to find out what you've got," Chuck says.

What the Schaafs look for is not muscle primarily but brains.

"Space between the ears," Chuck says. "And of course a horse must want to pull."

With fall and the end of the horse-pulling season comes basketball, Chuck's second favorite sport. He's a guard-forward on the Chetek team that has won its Heart O' the North conference championship two years in a row. Chuck is the team's top rebounder.

On the football team Chuck plays wide receiver. And during track season —"I go out for track mainly to stay in shape"—he runs the hurdles and the 440 relay.

That Chuck accomplishes as much as he does without developing an ego to match is shown by the attitude of his classmates. Last year he was elected vice president of the class and this year he was voted into the Student Council.

Chuck's vocational agriculture instructor and FFA Advisor Jim Meacham describes Chuck as "a good active member and a good officer." Chuck was an FFA Sentinel. He also helped organize and coach the FFA basketball team.

Chuck's experience in vo-ag mechanics helped shape his interest in engineering. His participation in FFA beef and hog raising enterprises has given him confidence that he can manage a small farm profitably during his spare time and keep his beloved horses, whatever his career choice may be.

FFA-Heilman

(Continued from Page 12)

stock and some machinery, and went into partnership moving to another farm. This was where Dr. Heilman was actively involved as a member of the FFA.

Remembering those days, he said, "On field trips to our farm and to other places in the county we experimented in culling chickens, pruning trees, judging livestock and all of those things that are important in this program and to a farm boy.

"At appropriate times we attended the fat cattle show in Louisville," Dr. Heilman said. "We toured farm machinery displays, we participated with the county agent in special programs and, of course, we did that educational chore which was required of us in the programs. At our school we had a FFA string bad. The band consisted of everything from guitars, violins, banjos to washboards, sandblocks and cymbals. One year during the state FFA meeting we participated in competition with other bands and that particular year I played the harmonica with the band.

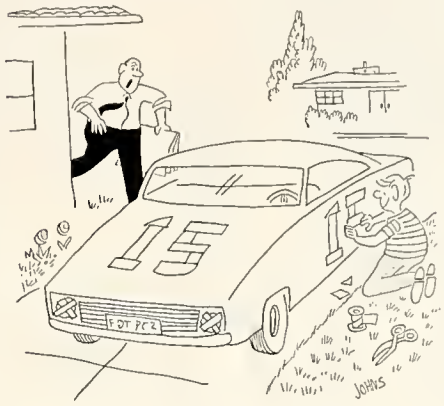
"On another occasion I remember, for a countywide FFA competition I built a plant bed out of a large box, filled it with dirt, planted the seeds, watered, weeded and even put a canvas over the bed. On the day of the competition I carried the plant bed to the meeting place and demonstrated and discussed everything from how to grow the plants to dealing with blue mold. I thought it was all very important and I took it very seriously. This required a great deal of study and was one of the first experiences I had in what research was all about."

Other projects mentioned by Dr. Heilman were raising calves, pigs, looking after crops, "selling my own tobacco," and maintaining records on the dairy.

Speaking of vocational agriculture and FFA, Dr. Heilman said, "I remember very well it was one of my most interesting subjects and one of the more practical things I did. It was one of the things that had special meaning for me and carried into the future, even after leaving home to spend four years in the U.S. Marine Corps during World War II, and afterwards. I never really got back to the farm. I moved on to college after the Marine Corps and found myself in education where I have spent over 25 years and where I have found satisfaction professionally.

"Nonetheless, I have never forgotten my farm life and now I have the satisfaction of a small piece of Kentucky land with hills, rocks, trees and pasture, where I can occasionally spend a few days.

"There is no conflict of interest in my background and in my present profession. In fact, I can think of nothing more solid as a foundation than having had the fields and hills, meadows, cattle, corn, crops and opportunities to hunt and fish, to swim in the creek and till the soil, chop the weeds, milk the cows, live under the sun and wind, and to know what it means to be wet in a field with the early morning dew, to have to get up early, work hard and late, and to give up some things to make a living and to have a part in making that living was important, even as a boy."



"Now just a minute, young man! Exactly why did you want to borrow the car?"

MAKE EXTRA CASH
NO REAL "SELLING"
JUST SHOW THIS SAMPLE
WE GIVE YOU FREE!

TAKE EASY FAST ORDERS FOR MUCH WANTED PERSONALIZED METAL SOCIAL SECURITY PLATES

If you want to make extra cash easy in spare time, we'll send you a complete compact money-making outfit ... which includes an actual sample engraved Plate, Carrying Case, Emergency Card and 8-Year Calendar, plus everything else you need to start taking orders and making money from the very day you receive it. This complete Outfit is yours ABSOLUTELY FREE and entirely without obligation. Just show it to everyone. They'll be amazed and delighted by the low price ... only $2.00 each ... especially when they discover that they also get a smart Carrying Case, an Emergency Card, and an exclusive 8-Year Calendar ... all FREE! You make $1.00 profit on every order. Take as many as 15 or more orders in an hour — make $15 or more in every spare hour that you show this sample. To get your money-making Outfit by return mail ... entirely FREE ... just fill in and ...

©1973-S ENGRAVAPLATES® JACKSONVILLE, FL 32207

MAIL THIS COUPON TODAY!

Engravaplates, Dept. 113
Box 10460, Jacksonville, Fla. 32207

Please rush me FREE Order-Taking Outfit with an actual sample so I can begin selling Personalized Social Security plates for spare-time income.

Name(print) _____

Address _____

City _____ State _____ Zip _____

When You Move Out

By Martha J. Beckman

YOU'RE 18, or whatever age, and you're movin' out from a home, security, dependence. The "pathway to adventure" is ahead of you. How will you manage?

You're going alone to a strange semi-city 75 miles away from Ye Olde Homestead or to college, or somewhere. But you never expect to go home again permanently. You're going to "put down roots," find a job, friends, a new life.

First, before you leave home. If you take any medicine regularly, get prescriptions from your doctor and a short history of your illness. Ask him if he can recommend a doctor at your new site and get the name and address. If you know in advance where you will be living, arrange to have any magazines you get transferred there.

Do you have a car or are you traveling by public transport? A minimum to take is a sleeping bag (or pillow, sheets and blankets), two complete sets of school clothes, and whatever you will need for job hunting, for the job you expect to get, and church or dates, or enough money to buy these as needed.

If you have a car you can take much more, such as a food box with a small frying pan, a spatula, and a small saucepan, a place setting of dishes with silverware, small quantities of food, salt and pepper, sugar, some snacks, whatever you think you'll need before you can shop. Carry a cooler and ice if it's summer and you take perishable food.

It's smart to make up a "desk set" of pens, scotch tape, masking tape, postcards or stamped envelopes, a notebook, paper clips, rubber bands, glue. Also a first aid kit of bandaids, Vaseline, aspirin, safety pins, and a mending kit of a few needles threaded with different colors, a few buttons, and scissors. Your parents can probably easily spare a few of each of these necessities, but you'd be surprised at how they count up if you have to buy them all. Take any tools you own, any hobby equipment like musical instruments, sewing machine, and if your parents have a spare iron and ironing board, fine! Don't forget hangers for any good clothes you take.

If you're never done laundry and ironing, better ask your Mom for a lesson *now*. And when you know what you'll need, take enough supplies for your first washing. You may find you have to use a commercial laundromat.

Your car is packed, you've kissed them all goodbye, and you've driven with rising excitement. Your next thought must be accommodations, a roof over your head. You have several alternatives. If going to college, you may have a dormitory with dining hall with options as to how many meals a day you eat and pay for there. (Cost $120-$200 per month.)

If you're more adventurous, you can choose a sleeping room, (Cost $45-$100 per month) and eat out, or a housekeeping room and eat in. (Cost $60 rent, food?) You can share a furnished apartment with other guys, or gals. (Rent cost $45-$100. Food?) or rent a furnished or unfurnished apartment by yourself if you're the hermit type and you can stand the cost. Check with the housing bureau of your college and the local want ads. Choose a place within easy walking distance of your college, even if you have a car.

Check carefully:

1. Cost.
2. What do you get?
3. Fringe benefits other than what is contracted for (ask other people who live there why they do).
4. The furnishings, especially the bed (where you'll spend a third of your life, remember?) and appliances.
5. Cleanliness and what are the cleaning policies? If you do it, what equipment is furnished?
6. If meals are part of the contract, what quality do you get? Ask someone who eats there.
7. Is there a damage deposit and what do they consider damage?
8. What are the policies concerning paying rent, giving notice and refunds, discounting for absences during school vacations, sub-letting, having guests, chances for earning money off your rent by repairs, snow shoveling or yard work?
9. If you're moving into an apartment shared with strangers, how is the cost and work divided? What will they expect from you and vice versa?
10. How about laundry? Are there facilities available there and at what cost? Or where is the nearest laundromat?
11. What about phone service?
12. Is there plenty of closet storage space?
13. Is there a garage or parking space for your car and at what cost?

Unless meals are part of the deal, hopefully you know something about nutrition; that your primary needs are protein, vitamins, and minerals, found in meats and dairy products and fresh fruits and vegetables. Don't skimp money on these if you want good health. After that you can fill up on carbohydrates and fats from breads, cereals and snack foods. You'll be healthier and happier if you set up a schedule for yourself and plan meals ahead to fit that schedule.

Good luck in your new life.

THE MOST IMPORTANT PART-TIME JOB IN AMERICA.

When America took to the air, so did America's Minutemen. Guardsmen like Charles A. Lindbergh who continued a volunteer tradition which dates all the way back to 1636.

Today, the men and women of the Air National Guard are still full-time civilians and part-time airmen. Thousands of your neighbors and friends who one weekend a month head for a different way of life in a different set of clothes. And you can join them.

You can fix airplanes. Repair runways. Operate communications equipment. Or perform dozens of other indispensable jobs on the ground that keep our pilots in the air.

We'll teach you a valuable skill. Or give you advanced training in one you may already have. And you'll be better prepared to land a good full-time job thanks to your part-time job in the Air Guard.

It's a great way to help your country, your community and yourself...We'll pay for your learning, too. And with every promotion, there's a pay raise.

Sound interesting? It is. For details on how you can be one of the New Minutemen, contact your local Air Guard Recruiter. Or complete and mail the attached coupon. Or call toll-free 800-336-0423 (except in Alaska, Hawaii, Puerto Rico and Virginia).

AIR NATIONAL GUARD

The Guard belongs.

FFA in Action

Garden Grows

Preparation and planting of a garden for the Minneota Manor, a local nursing home, was one of the community service projects of the Minneota, Minnesota, FFA Chapter this spring.

The project to till and plant a garden for the nursing home was developed last winter. The project proposal was eagerly accepted by the nursing home staff because it would give some of the residents an opportunity for outdoor activity during the summer.

One corner of the lawn area surrounding the home was selected for the garden. First, 24 freshmen FFA members removed the sod from the plot. They placed the sod on a bare area of the lawn where the grass had failed to become established.

The garden plot was then tilled by a senior FFA member using a power tiller. Two days later when 12 senior FFA members returned to plant the garden they were surprised to find that the area had been completely planted to potatoes by over-eager nursing home residents.

The freshmen returned and enlarged the plot by removing more sod and covering a second bare lawn area. The new garden was worked up and the seniors planted that section to vegetables as planned.

The Minneota Chapter prepared the plot which measures 15 feet by 20 feet and purchased and planted the seeds. The nursing home residents are watering, weeding and harvesting the vegetables. The vegetables produced will be used in the nursing home to supplement the regular diet of the residents.

Members of Minneota Chapter planted a good sized garden for a nursing home.

While the vegetables are of benefit, the primary importance of the plot is the activity it provides for the nursing home residents. Many of the residents are retired farmers and enjoy working the soil and producing a crop.

The Minneota FFA Chapter enjoyed doing this project to aid some of the community's senior citizens. The chapter expects to continue the project next year and will attempt to increase its size to provide greater opportunity for more patients to work. Since the residents are more excited about the project than the chapter expected, the planting may also be left for them to do. The chapter members will then provide the seed and do the hardest physical work. *(Eugene Anderson, Advisor)*

Horse Sensors

Team, from left, Deb Powell, Nodaway-Holt; Jackie Watkins, Savannah; Danny Swope, Maysville; and Cindy Powell, also from Nodaway-Holt, Missouri, FFA.

A horse judging team from Area I of Missouri FFA recently won the junior division of equine judging at the International Quarter Horse Exposition held at the American Royal Building in Kansas City.

The contest included four halter classes, western riding, reining, western pleasure, and hunt seat pleasure. Five of the eight classes were reasons classes.

The team was high FFA team and high junior team overall. Teams from several states competed including those from Oklahoma, Kansas, Missouri and Michigan.

Leedey County, Oklahoma, FFA team was second in the contest.

The Missouri team also captured several individual honors. Jackie Watkins was third high and Debbie Powell was fourth high.

Kit In The Pond

Recently, members of the Barnesville, Ohio, FFA natural resources class released a beaver kit in the FFA outdoor lab and pond area.

The beaver had dark brown fur, a tough, leather-like tail about seven inches long, and two teeth three inches wide. He weighed about fifteen pounds. The beaver was caught by an agricultural student.

The beaver was shown to most of the schools' students and faculty and was released in the pond with permission of the local game warden.

A Touch of Farm Life

Members of the Olentangy, Ohio, Chapter were up early April 15 loading animals to take to the Ohio State School for the Blind so that the children there could get a touch of the farm life. The variety of animals ranged in size from rabbits to dairy cattle.

When the animals were finally placed in their pens the fun was ready to begin. The first class to come out was the younger students. Some of them were at first hesitant to touch the noisy, squealing pigs, or the rabbits who made no sound at all. It did not take long, though, for the children to become interested in petting and learning more about the various animals. Soon they were laughing and going from pen to pen touching and asking questions about the actual raising of the animals. The children held the soft, cuddly rabbits and even took a ride on a horse. The teachers and employees of the school seemed to enjoy the experience just as much as their students.

The different classes kept coming out all during their school day until all 180 of them had had the opportunity to see, feel, hear, and smell the farm animals

(Continued on Page 58)

These Archbold, Ohio, FFA'ers used an assembly line to construct the 25 new picnic tables they will put in a new community park the FFA is developing.

State or local law may regulate the sale of B B guns to persons under a specified age

Daisy® proudly introduces a whole new kind of B·B gun. The gutsy new Power Line™ 770.

It isn't a gun for beginners. It's designed for guys and girls who already know how to shoot. And are now looking for something more in a B·B gun.

Something that offers greater accuracy. More power. More heft. And that big sport rifle feel. From the smooth tapered steel barrel, right down to a fully contoured Monte Carlo stock. It's all here, in the gutsy new Power Line 770, from Daisy.

The gun features a new fast-action single swing cocking lever, concealed in the forearm. Hooded ramp front sight. Fully adjustable rear sight. And more.

Like an easy loading 200 shot magazine. And an automatic trigger lock safety.

So if you're looking for more in a B·B gun, step up to the all new Power Line 770.

You'll be as proud of it as we are.

The Power Line 770 from Dais
It's more of a B·B gun.

POWER LINE

DAISY® DIVISION VICTOR COMPTOMETER CORPORATION
DEPT. NFF, BOX 220, ROGERS, ARKANSAS 72756 • IN CANADA: VICTOR RECREATION PRODUCTS, LTD., CAMBRIDGE, ONTARIO N3H4T9
For more information on the complete line of Daisy® air guns, send for our 24 page catalog. Enclose 25¢ for postage and handling.

Columbus Dispatch Photo

The blind children, on left, got to "see" farm animals for the first time.

FFA in Action

(Continued from Page 56)

that, up until then, they could only imagine what the animals were alike. Some visited the "farm" two or three times during the day.

The FFA members were invited to tour the school. The members said, "We were taken to the various classrooms where the children learn the fundamentals of everyday life. The same things any other person would learn in school. We were shown where they roller-skated, bowled, lifted weights and participated in other forms of recreation. We were also shown where the students worked in the industrial arts shop and we even viewed the school's medical facilities."

Farmers for Floats

Judges as well as the crowds attending Christmas parades in Southwest Missouri towns are getting a boot out of a nursery rhyme float built by students of the Diamond High School.

First place honors—and $400 in awards money were earned for "The Old Woman in a Shoe on Roller Skates."

The overflowing footwear float was the idea of Bill Greer, the vocational agriculture instructor. And he designed it.

Under Greer's direction, vocational agriculture students made a welded steel frame and chicken wire frame. Art students of Miss Nancy Sulzner took over at that point, forming the story book float with burlap bags and wheat paste.

Plans to make the unit self-propelled were abandoned. It is towed in the line of march, but a small, air-cooled engine remains in the float for added "flash." Motor oil is added to the gasoline to produce smoke, which is emitted through the chimney.

Several small children ride in the float, 10 to a dozen others circle it on skates, and a senior girl dressed as "Mother" pushes a baby carriage and tries to keep about a dozen of her other "children" out of mischief as the unit moves in the line of march.

Tracy, Minnesota, FFA built a hockey rink in their town and when they went to tell Governor Anderson about their BOAC project, they took him a reminder.

A Cattle Guard

Bennett Honeycutt of the Midway Chapter in Sampson County, North Carolina, helped his father Mr. Tyson Honeycutt design and build an economical cattle guard using only brick and concrete blocks.

The cattle guard is well designed and horses, cows, hogs, or other livestock will not cross the guard. The guard, which works as well as the steel guard, is an effective means of keeping livestock from coming through an open gate. Tractor, truck, automobile, or self-propelled machinery which Bennett used on his home farm can cross without waiting for a gate to be opened.

Bennett has built an extra gate to the side which he uses when he does want to move the animals into or out of the pasture.

Armadillo Roundup

Armadillo barbeque! Dilloburgers! This doesn't sound like something you'd include on your everyday menu, but armadillo cooked in various tasty ways is the going thing in Brantley County, Georgia.

In fact, the second annual armadillo roundup sponsored by the Brantley County FFA wound up with a county-wide barbeque.

The FFA chapter even presented prizes to those catching the most armadillos, the heaviest armadillo and the longest one. The contest was open to students in grades one through 12.

Here were the rules of the contest: No injured animal could be entered for judging. No animals could be transported on school buses. No more than two students to a team. Each team paid an entry fee of $2.00 and must be registered with the contest committee by noon the day of the contest.

Happy Times

With a fair theme of "Happiness is . . ." and a local FFA chapter that needed some publicity, there couldn't have been a better time for the Central Heights, Kansas, FFA chapter to build a float illustrating some of its activities.

"Happiness is a Future Farmer" featured four chapter members showing the crops and horticulture, livestock,

(Continued on Page 60)

This prize winning float gets plenty of publicity for Diamond FFA Chapter.

Bennett and a fellow FFA'er tried to get "Sam" to go across "that new gate."

Float riders were Becky Vining, Rod Schaub, Clint Ball, Keith Feuerborn.

Cross country

Southern's tough and time-tested Barrel Racing Saddle was selected for this year's PONY EXPRESS ride from Mt. Vernon, Washington to Valley Forge, Pennsylvania. Pleasure-packed performance for any rider.

Comfort

Riders young and old . . . beginners and veterans of ring and trail . . . thrill to the solid comfort of Southern Barrel Racing Saddles. Featuring In Skirt Rigging for free leg movement, High Back Cantle, and 5-Year Guaranteed Ralide Tree.

Color

Now do your own thing with a new Barrel Racing Saddle just introduced by Southern. Fine leathers available for hand painting and other decorative personal touches, or the saddle is available already painted with colorful design.

Competitive

Showmanship your game? Step out in style, get close to your horse with a new English saddle from Southern. It's the company's first offering of fine saddles made in Walsall, England of quality leather.

Cooler

"Be Cool" with a Cooler from Southern. Made with tough mesh knit material—100 percent nylon. Quality Coolers in white, red, green, blue, and navy.

RENEGADE

FFA Members—Get in the saddle with Southern! See these new products at your favorite dealer. Help start a dealership in your community. Southern is back with real FFA values. Saddles, Bridles, Halters, Harness, Blankets, Pads, Horse and Cow Care Items.

Quality Saddles and Leather Products Since 1878

SOUTHERN SADDLERY

3001 South Broad Street
Chattanooga, Tennessee 37402
(615) 267-6795

All the members are proud of the new sign to identify the vo-ag department.

FFA in Action

(Continued from Page 58)

and agricultural mechanics areas of FFA plus a convention sign representing the leadership FFA provides.

Even though the float did not receive a prize, all chapter members agreed it was a great way to let people in the community learn about just a few of the FFA's activities. This was especially important since Central Heights has only had an FFA chapter two years! *(Becky Vining, Reporter)*

The author of this article, Becky Vining, won the state agricultural newswriting contest at the Kansas FFA Contests in April.

Plow Is A Sign

A few years ago the Dolores County, Colorado, Chapter advisor bought an old horse-drawn plow.

Then when the chapter decided to get ideas for a sign outside the vo-ag department, the advisor suggested using the plow since in FFA it represented labor and tillage.

"We thought the plow would remind students of vocational agriculture that no matter how much knowledge you've obtained you can only reach your goals by working towards them."

After a donation of pipe from a member, the sign was constructed at the entrance of the vo-ag shop. Hanging on the plow is a sign which reads "Vocational Agriculture" and in between the two words is the emblem. *(Bill Waschke, Reporter)*

Real Kickoff

Goat milking contest attracted crowds.

To kick off FFA WEEK, Hanford, California, FFA held its annual pit beef barbeque. Some 1,200 people attended the dinner sponsored by the Hanford FFA Parents Club to benefit FFA scholarships.

Following up for the WEEK, several contests were held on campus such as a goat milking, milk chug-a-lug, cow chip throwing and calf roping contest in which winners were awarded prizes. *(Lori Couto, Reporter)*

Pulling Together

The National Trail FFA of New Paris, Ohio, recently sponsored its second annual Ohio State Tractor Pullers Association (OSTPA) tractor pull.

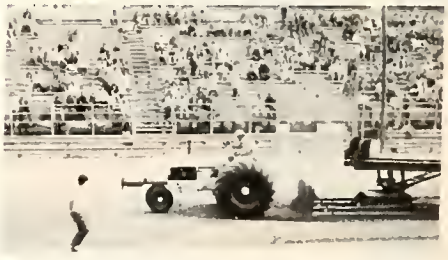
The crowd at the Preble County Fairgrounds in Eaton really got its money's worth as the estimated 70 tractors, all hot rods, put on quite a show from 1:00 in the afternoon to almost 8:00 in the evening.

There were four classes pulled at this year's pull, one down from last year because of state rules, and they made for an enjoyable Father's Day. The classes pulled were 5,000 Modified, the 7,000 Modified, the 9,000 Modified and the 5,000 Super Stock.

Last year the FFA put in a scales and a loading dock at the fairgrounds as their community service project. This year they decided to put grass on them so when it was announced that the grass was to be removed from the baseball diamond infield, they volunteered to help and asked for the grass which is now on the scale and loading dock.

A unique way of advertising the pull was also used this year as the FFA took and made tractor shaped signs out of plywood and put them at various businesses throughout the area. *(Jeff Geeding, Reporter)*

The chapter hopes the success of their first two pulls will lead to a third.



Two Way Trip

The Bowling Green, Ohio, Chapter of the FFA recently completed an interstate FFA exchange program with Golden, Colorado. The two members who visited in Ohio from Colorado were Jennette Johnson and Jim Huntington. A week earlier, Mike Smith and Don Schneider represented Bowling Green by visiting Golden, Colorado, for a week. They spent much time during the past three months arranging dates for the exchange.

The Bowling Green FFA Alumni sponsored Mike and Don's trip to and from Colorado, through a scrap metal

The Sapulpa, Oklahoma, FFA helped in a citywide cleanup called MOPS (Make Our Pride Shine). This is the second year MOPS has been part of BOAC.

"A couple of the local farmers want to see you about last night's forecast."

drive held in March. Mike and Don were selected from all of the members of the chapter by a committee of school officials and area businessmen. While in Colorado, Mike and Don visited the Adolph Coors brewery in Golden, a 4800-acre wheat and cattle ranch, a 30,000-acre wheat farm, and the high Rockies. While in Colorado they also participated in one of Golden FFA Chapter's meetings.

Upon returning, Mike and Don hosted the members from Colorado for the first three days then Mark Adler, Scott Gallier, Abby Bechstein and Rich Strow hosted the visitors for the next four days. The visitors attended and visited many places during the week they were in Bowling Green. Monday of that week they visited the vo-ag classes during the day and attended the FFA meeting that night. Also Monday Rob Hovis, past state president of the Ohio FFA, visited Bowling Green to bring official greetings from the Ohio Association of the FFA.

Tuesday they visited Eastwood FFA, Penta Joint Vocational School and the chapter's ag museum. Wednesday they visited Elmwood FFA, Cains Potato Chip Factory, Klotz Flower Farm and Pioneer Packing meat plant during the day and attended the FFA Alumni potluck supper that evening.

Thursday they toured The Andersons in Maumee and visited Otsego High School during the day; and they went to see the Bicentennial Wagon Train in Perrysburg that night. Friday the visitors and the hosts for the week spent a funfilled day at Cedar Point. Saturday the hosts took the visitors separately to other points of interest in the area and then that evening the visitors and hosts attended a party in the visitors' honor at the Ivan Bechstein residence.

The purpose of the exchange is to strengthen relations with FFA chapters in other states. The Bowling Green Chapter feels this exchange program is most profitable to both chapters and both states. *(Richard Strow, Reporter)*

Mississippi State President Mike Moss, left, shows some of the other FFA'ers who were at the university for judging contests, a typical plant specimen.

The Cleburne, Texas, Chapter also has discovered the effectiveness of the Food For America program to inform and to publicize agriculture in their area. They selected second graders for their audience and made sure to give only practical information about animals which the children would understand.

Choosing the right shell is as easy as 1-2-3.

Winchester and Western Super X.® The only high brass, one-piece plastic hunting load for full, dense, patterns at normal ranges. This is the optimum hunting shotshell. Available in all popular sizes and gauges.

Winchester and Western Super-X Double-X.™ The magnum load that'll give you 10-15 more yards of effective range. And the specially granulated polyethylene powder added to the shot column along with the Mark 5® collar result in harder hitting patterns that are right on target.

Winchester and Western Upland® Shotshells. The only, low brass, one-piece shotshell specifically designed for upland game hunting where standard velocity loads are ideal. The right combination of power and pattern for game birds like: quail, dove, partridge and small game animals. In all popular gauges.

WINCHESTER® Western®

"Pay Window" by Robert Screiber.

Top, "Red Man's Wireless." Above, All-Around Cowboy.

The National Cowboy Hall of Fame and Western Heritage Center

Now is an excellent time to visit OK City and this memorial to one of the most inspiring epochs of America's 200-year history.

"NO ERA in the history of this nation stands so dramatically apart as the incomparable saga of development of the West. For here, on the sprawling prairies and rugged terrain they loved so well, our forefathers stood together regardless of background or race and fought for a concept of life known to few others."

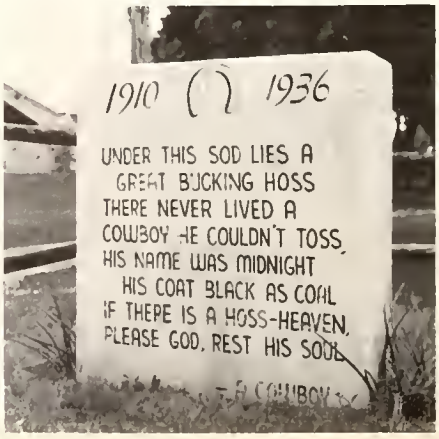
So begins the official statement of purpose of the National Cowboy Hall of Fame and Western Heritage Center.

The Center began in 1952 as the brainchild of the late Chester A. Reynolds, Kansas City garment firm executive. Mr. Reynolds had stopped to visit the Will Rogers Memorial at Claremore, Oklahoma. Greatly impressed, he thought other great Westerners also ought to be honored in a Hall of Fame. He then personally visited governors of 17 Western states who appointed trustees to begin the organizational task of raising the necessary money. A decade later the memorial became a reality.

Chosen from over 100 cities which competed for this prized memorial, Oklahoma City was the choice by nearly a two-to-one vote. Thirty-seven acres was donated by the city and the Center was constructed atop beautiful Persimmon Hill.

In the first three years of operation one million visitors came to the National Cowboy Hall of Fame and Western Heritage Center from all 50 states and almost every nation in the world.

On the Trail of Great Bucking Horses lies a famous rodeo bronc of the past.


1910 ( ) 1936
UNDER THIS SOD LIES A
GREAT BUCKING HOSS
THERE NEVER LIVED A
COWBOY HE COULDN'T TOSS,
HIS NAME WAS MIDNIGHT
HIS COAT BLACK AS COAL
IF THERE IS A HOSS-HEAVEN,
PLEASE GOD, REST HIS SOUL

The winning of the Cowboy Hall of Fame, like the winning of the West was carried out by individual efforts of many. Money was raised through membership campaigns, subscriptions, family memorials and bonds. No federal, state, or local government grants support the Hall of Fame. In 1957 the Hall was proclaimed as a national memorial by an act of Congress.

The main memorial building is 70,000 square feet and houses a number of attractions. A magnificent collection of art by such famous western artists as Charles M. Russell and Frederic Remington are on display. The exhibits include bronzes, wood sculptures, oils, watercolors, pastels and pen and ink drawings. Featured among the oil paintings are two great Russell oils, "Smoke Talk" and "Red Man's Wireless." Among the Remington works are two

of his most famous pieces, "Coming Through the Rye" and "The Bronc Buster." The National Cowboy Hall of Fame bronze collection represents the most nearly complete collection of C. M. Russell bronzes in existence.

In another section of the main building a Rodeo Hall honors the All-Around Champion Cowboys each year beginning with 1929. Twenty-two exhibit spaces contain saddles, trophies, buckles, boots and other personal effects of the world's all-around champions. A Trail of Great Bucking Horses and Cow Ponies in the Hambrick Gardens on the grounds of the Hall, honors such great animals of rodeo as "Midnight" and "Five Minutes 'til Midnight."

An attraction for first-time visitors to the Center is the Great Map of America. The relief map is 32 feet by 48 feet, and one of the largest of its kind. Its purpose is to show historic relationship of peoples, elements and geography utilizing both lighting and sound. A taped lecture is coordinated with lighted trails and settlements which interpret history of the West.

A more recent addition to the memorial building is a 4,800 square foot Payne-Kirkpatrick Memorial Building which opened in December, 1970. It houses the famous "End Of The Trail" statue. The 2½ times life-sized statue portrays a defeated Indian warrior slumped over on his weary war pony.

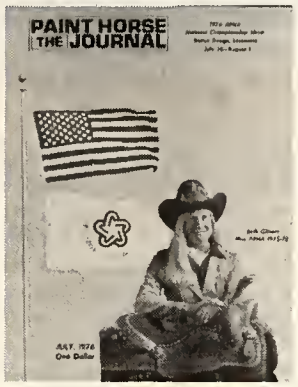
On the lower floor of the main building is the West of Yesterday exhibit. Real objects of the West are featured in lifelike settings such as an Indian camp, a gold mine, and a chuckwagon scene. Visitors can walk along the board sidewalk and see the Silver Dollar Musical Museum, housing the country's largest collection of nickelodeons.

To the young Bicentennial travelers who may visit Oklahoma City to view this national memorial, the "purpose" may seem to be speaking to them. It concludes, "If our country is to survive as a free nation, the coming generations of American youth must realize their heritage . . . the hardships and struggles, the ideals and inspirations of these indomitable pioneers who carved our civilization from a rugged wilderness. To this heritage is the National Cowboy Hall of Fame and Western Heritage Center dedicated.

"The End of the Trail" statue.

Sergeant's
WORM-AWAY FOR DOGS
For The Removal Of Large Roundworms (Ascarids) In Dogs.
12 CAPSULES, 140 Mg. Piperazine each

WORM-AWAY®
ONE OF 200 QUALITY TESTED SERGEANT'S® PET CARE PRODUCTS.
Large roundworms are dangerous. In fact, untreated, they can kill your pet. You can't prevent your dog or cat from picking up roundworms, but it's easy to get rid of them with Sergeant's Worm-Away® Capsules. They're fast acting and mix easily with food. Sergeant's makes other worming products, too. Sure-Shot® Capsules and Puppy Capsules for hookworms and Tapeworm Medicine.
Sergeant's
the pet care people
©1976 Miller-Morton Company, subsidiary of A. H. Robins Company

The American Paint Horse Association


Sample Copy On Request
Presents
'The Sports Model of the Horse World'
For FREE Information Packet Write:
American Paint Horse Association
Dept. FFA
P.O. Box 13486
Fort Worth, Texas 76118

it's a sad waist without a justin

BUCKLE-61D
BELT-803D
Justin
97 Years Of Quality
BOX 548, FORT WORTH, TEXAS 76101

Discover Reloading

(Continued from Page 40)

powder, primers, wads and lead shot, and a press to perform the necessary mechanical functions. The press used here is a single-stage press in which the shell is moved from station to station.

The reloading process is essentially simple and, as long as a normal amount of care and certain safety precautions are followed, less dangerous than many sports. Dependable data in the way of safe loads, types of powder to be used, and maximum safe loads, is available in manuals published by several manufacturers of equipment and components. Let's take a look at the few steps required to turn out good quality shotshell reloads.

The first step is to examine the fired hulls thoroughly to be sure they have no visible defects, such as split cases or deformed heads. Throw away any cases which show a fault. Starting at the decapping station of the press, the spent primer is ejected. Most reloaders complete one operation on all shells to be reloaded before moving on to the next operation.

At the priming station, a fresh primer is placed, open, anvil side up, and pressed to full seating depth in the primer pocket.

The primed hull is then moved to the charging station. Here, a charge bar, proportioned to throw a specific measure of powder and shot, is used to fill the case. Charge bars are available in several different powder/shot combinations to vary the load for trap, field load, etc. First, the powder charge is thrown. An overpowder wad, or plastic shot column is inserted and pressed down against the powder. Now the charge bar is moved to the shot position and a shot charge is thrown over the powder and wad. If the powder and shot combination has been well chosen for the inside capacity of the hull, the case will now be full to about a half inch of the top.

Here, with the crimp started, the hull is shown just prior to the finish crimp.

The charged hull is moved to the crimp starting station. Here, a crimp starter seeks out the crease left in the hull, rotating slightly until it is aligned. Pressing starts the crimp along the crease.

The partially crimped hull is then moved to the finish-crimp station where it is fully crimped down to the top of the shot column. If the finished round is not neatly crimped, coming together at the exact center of the shell mouth in a good looking "star", the selection of powder and shot were not correct for the case capacity and a different combination should be sought.

If, by now, you're thinking reloading is for you, there are plenty of places to go to find out more about this practical and exciting hobby. Chances are, you'll know several hunting or shooting friends who reload. Normally they will be of great help in learning the do's and don'ts of reloading and you can watch them in the reloading process. Too, don't overlook the reloading center of your sporting goods store. Here, clerks will help you in deciding what type of equipment you will need for your shooting activity and help you establish a price range. Don't hesitate to ask questions and explore the whole range of equipment available.

If you're interested, but not yet sure, you may want to send for a booklet, "Discover Reloading" published by the National Reloading Manufacturers Association. This booklet covers the economic, safety, and other aspects of reloading and also lists all the literature, much of it free for the asking, that is available from member equipment and component manufacturing companies. To obtain the booklet, send $1.00 to cover handling costs, to: NRMA, 1220 S. W. Morrison Street, Portland, Oregon 97205.

Gooseneck Trailer

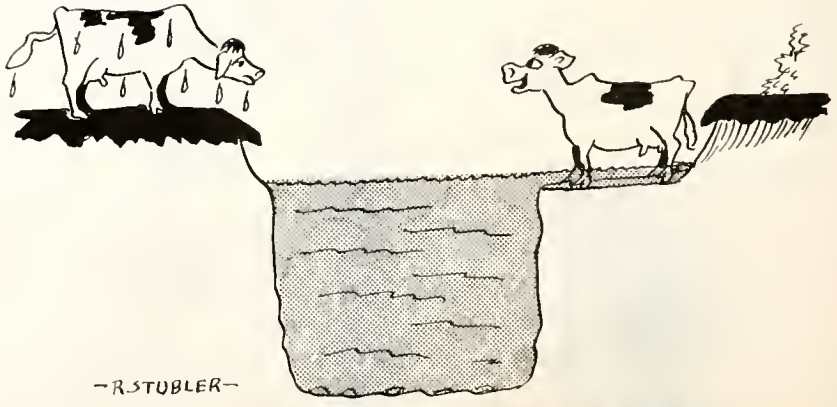
(Continued from Page 46)

most states. Some states require safety chains to ensure that the trailer remains attached to the truck in case of accidental disconnection of the regular hitch. Other states require automatic setting of the brakes in case of accidental disconnection. In most states, licensing fees are modest so long as the trailer is used for strictly agricultural purposes.

A comparison of the cost of a pickup-trailer combination with that of a straight truck of similar capacities reveals the advantages of the trailer outfit. Exact cost figures vary, of course, depending upon the details of the optional items on the equipment. For example, a pickup truck properly equipped for trailer operation, along with a fully equipped trailer, will cost about $3,000 less than a comparable straight truck of similar capacity.

Also, with the pickup-trailer combination, you have the option of using the truck as a conventional pickup when it is not towing the trailer. Although a larger straight truck could be used for small loads much as the pickup truck, its size makes it inconvenient and uneconomical for such use.

Because the pickup and the trailer are two separate units, you also have the flexibility of replacing the pickup periodically without having to replace the trailer. In contrast, when the alternative straight truck is replaced, you incur depreciation on the body and hoist, or else face the inconvenience and expense of having the body and hoist transferred from the old to the new truck chassis.



"What do you mean it's deep? It's not even up to my knees."

Two of the poinsettias grown by students. From left: Tim Moore, student; Herbert Lackey, instructor; Mark Beaty, student and Charles Arnold, instructor.

Growing a Useful Product

By Sue Little

POINSETTIAS—about 1,200 of them in red, white and pink with blooms of nine to 12 inches in diameter—were sold last Christmas season by vocational agricultural students of Bradley Central High School in Tennessee.

The students potted the plants the last week in August, putting two plants in each pot. Their instructors who say they "really enjoy our jobs" are Charles Arnold and Herbert Lackey.

"You can't believe the amount of work our vo-ag students do," Lackey says. "In caring for the poinsettias, they even came to school on weekends. Some people say now that young people won't work. It just is not true. The students here are nice people, they work hard and they're interested in learning."

The reason poinsettias are grown each holiday season, Arnold says, is "to give students experience in growing a useful product. We're not competing with any commercial suppliers," he says, "because we can't begin to supply area needs. What we are doing is training and educating students and creating an interest in horticulture."

Explaining the methods used to produce the enormous blooms and healthy green plants, Lackey says that after the N. F. Hegg poinsettias were growing for three weeks, they were 'pinched' back to create a dwarfed, low, compact plant.

"We also fed them each time they were watered," he adds, "and we used black plastic to keep out the light and cause the leaves to turn to red. The rule is that if it is light enough to read a newspaper where the plants are located then it is too light."

The temperature must also be closely regulated. Plants were started in a 68 degree climate which was kept at 58 degrees after blooming began.

"When people came in to buy the Christmas plants," Lackey says, "they would think they wanted only one, but after seeing our 'sea of red' would purchase four or five, so we were soon sold out."

Four years ago, students at Bradley built the entire nursery facility at the school, including constructing a greenhouse, pouring concrete, installing conduit, the heating and cooling system, laying a brick patio and doing the landscaping. "Three other school systems are now trying to duplicate our facility," Arnold says.

An area has also been set aside next to the greenhouse for a propagation bed where students raise holly, red barberry, mugho pines, dwarf pyracantha and many other dwarf shrubs from cuttings.

In the spring, they will raise a variety of bedding plants, including begonias, ferns, spider plants, tomato plants and other vegetables, which will be sold beginning in April.

About 190 students are enrolled in the seven vocational agriculture courses where greenhouse management, nursery management, productive agriculture, mechanics A and B (which emphasizes electricity and welding), landscape design, agricultural science and agricultural supplies and services are offered.

The school's FFA chapter is rated "among the top in the nation." They have won gold medals almost every year since 1963.

Learn at Home...Be a MOTORCYCLE MECHANIC...

Now's the time to "grab a piece of the action" in America's fast-growing motorcycle industry. Big demand for skilled mechanics. Earn steady pay—or start your own business. We show you how! No need to quit school or job. Learn at home in spare time. RUSH COUPON FOR FREE INFORMATION

SPECIAL CYCLE TOOLS & TEST INSTRUMENTS INCLUDED...

Careers by Home Study

NORTH AMERICAN SCHOOL OF MOTORCYCLE REPAIR
4500 Campus Dr., Dept OE076, Newport Beach, CA 92663
Rush FREE information on how I can learn to be a motorcycle mechanic for only a few dollars a month.

NAME _____ AGE ____
ADDRESS _____
CITY _____ STATE _____ ZIP _____

Suffolk Sheep . . . . . Americo's leading breed, papulority still growing. We con show you why.

NATIONAL SUFFOLK SHEEP ASSOCIATION
BOX 324 F, COLUMBIA, MO. 65201

CHEVIOTS have what it takes:
- To survive lambing hazards;
- To develop desirable carcass weights on milk and grass alone;
- To impart these qualities to less fortunate breeds through crossing.

American Cheviot Sheep Society
Dept. of Agriculture
Missouri Western State College
St. Joseph, MO 64507

HAMPSHIRES...
Go and Grow with the Hampshire Breed. You deserve the very best. Write for information.
Jim Cretcher, Secretary
The American Hampshire Sheep Assn.
Rt. 10, Box 199, Columbia, MO 65201 (314) 445-5802

TOTALLY NEW TOMATO SYSTEM

NEW HYGROPONIC GROWING SYSTEM ELIMINATES PEATLITE — GRAVEL — — SAND FOREVER.

REVOLUTIONARY Hygro-Flo (TM) (patent pending) tube growing system eliminates having to purchase growing media and reduces cost by 80%.

Hygroponics, Inc., with 18 years experience raising over 900 hydroponic greenhouse crops, will guide you while you grow tomatoes or lettuce, and cucumbers, 12 months of each year.

30' x 124' greenhouse should gross about $15 to $20,000 annually. We offer a weekly grower reporting program to maximize crop yields.

Obsolete systems using peatlite, gravel, sand, etc. can inexpensively be converted o the Hygro-Flo (TM) (patent pending) System.

Visit us or write for free information. You must see the new Hygro-Flo (TM) (patent pending) tube growing system.
Hygroponics, Inc., 3935 N. Palo Alto Ave., Panama City, Fla. 32401. (904) 265-3661.

Discover Reloading

(Continued from Page 40)

powder, primers, wads and lead shot, and a press to perform the necessary mechanical functions. The press used here is a single-stage press in which the shell is moved from station to station.

The reloading process is essentially simple and, as long as a normal amount of care and certain safety precautions are followed, less dangerous than many sports. Dependable data in the way of safe loads, types of powder to be used, and maximum safe loads, is available in manuals published by several manufacturers of equipment and components. Let's take a look at the few steps required to turn out good quality shotshell reloads.

The first step is to examine the fired hulls thoroughly to be sure they have no visible defects, such as split cases or deformed heads. Throw away any cases which show a fault. Starting at the decapping station of the press, the spent primer is ejected. Most reloaders complete one operation on all shells to be reloaded before moving on to the next operation.

At the priming station, a fresh primer is placed, open, anvil side up, and pressed to full seating depth in the primer pocket.

The primed hull is then moved to the charging station. Here, a charge bar, proportioned to throw a specific measure of powder and shot, is used to fill the case. Charge bars are available in several different powder/shot combinations to vary the load for trap, field load, etc. First, the powder charge is thrown. An overpowder wad, or plastic shot column is inserted and pressed down against the powder. Now the charge bar is moved to the shot position and a shot charge is thrown over the powder and wad. If the powder and shot combination has been well chosen for the inside capacity of the hull, the case will now be full to about a half inch of the top.

Here, with the crimp started, the hull is shown just prior to the finish crimp.

The charged hull is moved to the crimp starting station. Here, a crimp starter seeks out the crease left in the hull, rotating slightly until it is aligned. Pressing starts the crimp along the crease.

The partially crimped hull is then moved to the finish-crimp station where it is fully crimped down to the top of the shot column. If the finished round is not neatly crimped, coming together at the exact center of the shell mouth in a good looking "star", the selection of powder and shot were not correct for the case capacity and a different combination should be sought.

If, by now, you're thinking reloading is for you, there are plenty of places to go to find out more about this practical and exciting hobby. Chances are, you'll know several hunting or shooting friends who reload. Normally they will be of great help in learning the do's and don'ts of reloading and you can watch them in the reloading process. Too, don't overlook the reloading center of your sporting goods store. Here, clerks will help you in deciding what type of equipment you will need for your shooting activity and help you establish a price range. Don't hesitate to ask questions and explore the whole range of equipment available.

If you're interested, but not yet sure, you may want to send for a booklet, "Discover Reloading" published by the National Reloading Manufacturers Association. This booklet covers the economic, safety, and other aspects of reloading and also lists all the literature, much of it free for the asking, that is available from member equipment and component manufacturing companies. To obtain the booklet, send $1.00 to cover handling costs, to: NRMA, 1220 S. W. Morrison Street, Portland, Oregon 97205.

Gooseneck Trailer

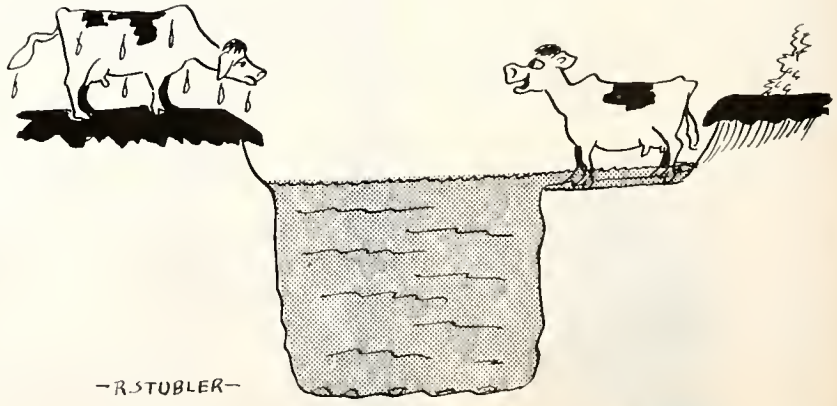
(Continued from Page 46)

most states. Some states require safety chains to ensure that the trailer remains attached to the truck in case of accidental disconnection of the regular hitch. Other states require automatic setting of the brakes in case of accidental disconnection. In most states, licensing fees are modest so long as the trailer is used for strictly agricultural purposes.

A comparison of the cost of a pickup-trailer combination with that of a straight truck of similar capacities reveals the advantages of the trailer outfit. Exact cost figures vary, of course, depending upon the details of the optional items on the equipment. For example, a pickup truck properly equipped for trailer operation, along with a fully equipped trailer, will cost about $3,000 less than a comparable straight truck of similar capacity.

Also, with the pickup-trailer combination, you have the option of using the truck as a conventional pickup when it is not towing the trailer. Although a larger straight truck could be used for small loads much as the pickup truck, its size makes it inconvenient and uneconomical for such use.

Because the pickup and the trailer are two separate units, you also have the flexibility of replacing the pickup periodically without having to replace the trailer. In contrast, when the alternative straight truck is replaced, you incur depreciation on the body and hoist, or else face the inconvenience and expense of having the body and hoist transferred from the old to the new truck chassis.



"What do you mean it's deep? It's not even up to my knees."

Two of the poinsettias grown by students. From left: Tim Moore, student; Herbert Lackey, instructor; Mark Beaty, student and Charles Arnold, instructor.

Growing a Useful Product

By Sue Little

POINSETTIAS—about 1,200 of them in red, white and pink with blooms of nine to 12 inches in diameter —were sold last Christmas season by vocational agricultural students of Bradley Central High School in Tennessee.

The students potted the plants the last week in August, putting two plants in each pot. Their instructors who say they "really enjoy our jobs" are Charles Arnold and Herbert Lackey.

"You can't believe the amount of work our vo-ag students do," Lackey says. "In caring for the poinsettias, they even came to school on weekends. Some people say now that young people won't work. It just is not true. The students here are nice people, they work hard and they're interested in learning."

The reason poinsettias are grown each holiday season, Arnold says, is "to give students experience in growing a useful product. We're not competing with any commercial suppliers," he says, "because we can't begin to supply area needs. What we are doing is training and educating students and creating an interest in horticulture."

Explaining the methods used to produce the enormous blooms and healthy green plants, Lackey says that after the N. F. Hegg poinsettias were growing for three weeks, they were 'pinched' back to create a dwarfed, low, compact plant.

"We also fed them each time they were watered," he adds, "and we used black plastic to keep out the light and cause the leaves to turn to red. The rule is that if it is light enough to read a newspaper where the plants are located then it is too light."

The temperature must also be closely regulated. Plants were started in a 68 degree climate which was kept at 58 degrees after blooming began.

"When people came in to buy the Christmas plants," Lackey says, "they would think they wanted only one, but after seeing our 'sea of red' would purchase four or five, so we were soon sold out."

Four years ago, students at Bradley built the entire nursery facility at the school, including constructing a greenhouse, pouring concrete, installing conduit, the heating and cooling system, laying a brick patio and doing the landscaping. "Three other school systems are now trying to duplicate our facility," Arnold says.

An area has also been set aside next to the greenhouse for a propagation bed where students raise holly, red barberry, mugho pines, dwarf pyracantha and many other dwarf shrubs from cuttings.

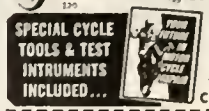
In the spring, they will raise a variety of bedding plants, including begonias, ferns, spider plants, tomato plants and other vegetables, which will be sold beginning in April.

About 190 students are enrolled in the seven vocational agriculture courses where greenhouse management, nursery management, productive agriculture, mechanics A and B (which emphasizes electricity and welding), landscape design, agricultural science and agricultural supplies and services are offered.

The school's FFA chapter is rated "among the top in the nation." They have won gold medals almost every year since 1963.

Learn at Home...Be a MOTORCYCLE MECHANIC...

Now's the time to "grab a piece of the action" in America's fast-growing motorcycle industry. Big demand for skilled mechanics. Earn steady pay—or start your own business. We show you how! No need to quit school or job. Learn at home in spare time. RUSH COUPON FOR FREE INFORMATION



SPECIAL CYCLE TOOLS & TEST INSTRUMENTS INCLUDED...

Careers by Home Study

NORTH AMERICAN SCHOOL OF MOTORCYCLE REPAIR
4500 Camous Dr., Dept QE076, Newport Beach, CA 92663
Rush FREE information on how I can learn to be a motorcycle mechanic for only a few dollars a month.

NAME _____ AGE ____
ADDRESS _____
CITY _____ STATE _____ ZIP _____

Suffolk Sheep . . . . . America's leading breed, popularity still growing. We can show you why.

NATIONAL SUFFOLK SHEEP ASSOCIATION
BOX 324 F, COLUMBIA, MO. 65201

CHEVIOTS have what it takes:
- To survive lambing hazards;
- To develop desirable carcass weights on milk and grass alone;
- To impart these qualities to less fortunate breeds through crossing.

American Cheviot Sheep Society
Dept. of Agriculture
Missouri Western State College
St. Joseph, MO 64507

HAMPSHIRES...
Go and Grow with the Hampshire Breed. You deserve the very best. Write for information.
Jim Cretcher, Secretary
The American Hampshire Sheep Assn.
Rt. 10, Box 199, Columbia, MO 65201 (314) 445-5802

TOTALLY NEW TOMATO SYSTEM

NEW HYGROPONIC GROWING SYSTEM ELIMINATES PEATLITE — GRAVEL — — SAND FOREVER.

REVOLUTIONARY Hygro-Flo (TM) (patent pending) tube growing system eliminates having to purchase growing media and reduces cost by 80%.

Hygroponics, Inc., with 18 years experience raising over 900 hydroponic greenhouse crops, will guide you while you grow tomatoes or lettuce, and cucumbers, 12 months of each year.

30' x 124' greenhouse should gross about $15 to $20,000 annually. We offer a weekly grower reporting program to maximize crop yields.

Obsolete systems using peatlite, gravel, sand, etc. can inexpensively be converted o the Hygro-Flo (TM) (patent pending) System.

Visit us or write for free information. You must see the new Hygro-Flo (TM) (patent pending) tube growing system.
Hygroponics, Inc., 3935 N. Palo Alto Ave., Panama City, Fla. 32401. (904) 265-3661.

On the first day of kindergarten, a 5-year-old boy was nervous and upset and wanted to talk to his mommy. A teacher helped him place a telephone call to his mother, but when his mother answered the phone, he was too insecure to speak right away. So the mother, on the other end of the line, said: *"Hello, who is this?"*

"This is your son," said the little boy, bursting into tears. *"Have you forgotten me already?"*

Mary G. Noblitt
Deland, Florida

Q: What has four legs and flies?
A: Two pairs of pants.

Les Hershey
Kirkwood, Pennsylvania

"Well, son, how do you like hang gliding?"

She was only a moonshiner's daughter, but I loved her still.

Nancy Trafford
Leslie, Michigan

I wanted to be a photographer, but nothing developed.

John F. Lamb
Stanardsville, Virginia

The ship was sinking rapidly. The Captain called out, *"Anyone here know how to pray?"* One man stepped forward, *"I do, Captain."* *"Good,"* said the Captain, *"you pray and the rest will put on life preservers. We're one short."*

Joyce Blosser
New Lexington, Ohio

Restaurant patron to waiter: *"Two eggs, please. Don't fry them a second after the white is cooked. Don't turn them over. Not too much grease. Just a pinch of salt. No pepper. Well, what are you waiting for?"*

Waiter: *"The hen's name is Eleanor. Is that all right?"*

Charles Back
Zephyrhills, Florida

One winter morning, the man heard his neighbor trying unsuccessfully to start her car. He went outside and asked, *"Did you try choking it?"*

"No," she replied, gritting her teeth, *"but I sure felt like it."*

Galen Wetzel
Arcanum, Ohio

Q: How did Jonah feel when the whale swallowed him?
A: He felt down in the mouth.

Betsy Sorrells
Tennessee Ridge, Tennessee

Hear about the dairy farmer who quit farming to become a minister? When asked the reason for the switch in professions he curtly replied, *"I've been pastorized."*

Keith A. Chike
New Albany, Indiana

A young man saw a middle-aged man bending over an old woman who appeared to be having a heart attack. The young man pushed the middle-aged man aside and announced: *"Stand back, I've had a course in first aid."* After a while, the middle-aged man tapped the younger man on the shoulder and said, *"When you get to the part about calling the doctor, I'm already here."*

H. Hiernblaer
Floresville, Texas

A tourist while stopping at a gas station in the Texas Panhandle, tried to make conversation with the attendants, a grizzled old man and a much younger fellow. *"Looks like we might get a little rain,"* said the tourist.

"Well, I hope so," replied the old-timer. *"Not so much for me as my grandson here. I've seen rain."*

Bobbie Mae Cooley
Bowen, Illinois

Sign in a pet shop: *"Situation wanted —Healthy kitten wants good home, honest, loyal, sober, will do light mouse-work."*

Pam Domeco
Tracy, California

Customer: *"Waiter, I'm in a hurry. Will these pancakes be long?"*
Waiter: *"No, sir. They'll be round."*

Margaret Coker
Vaiden, Mississippi

A city dude walked into a general store in a country town. *"I don't suppose you'd have anything in the shape of an automobile tire, would you?"* he asked haughtily.

"Sure do," answered the unimpressed storekeeper. *"Doughnuts, rubber bands, and funeral wreaths."*

Cindy Fredrickson
Taylor, Wisconsin

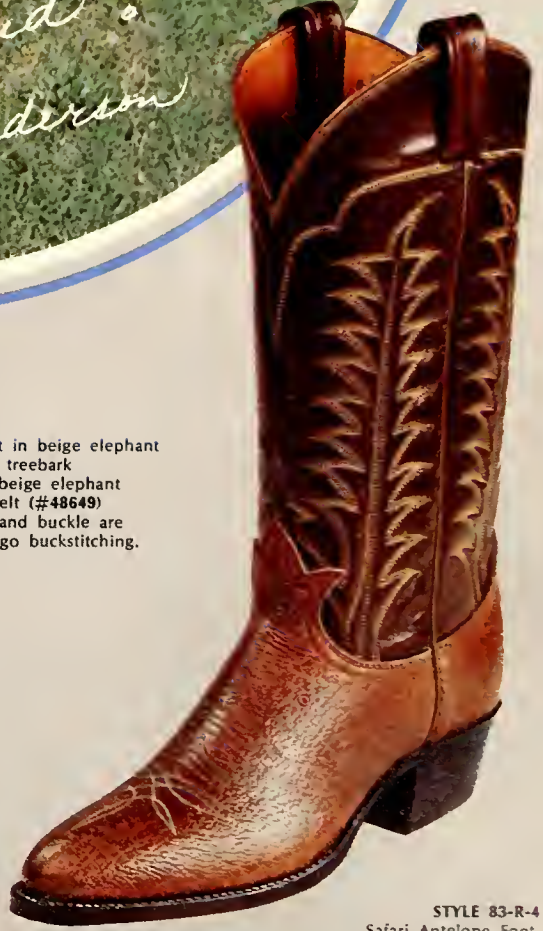
Charlie, the Greenhand

"Congratulations, Charlie, for being selected as the good sport to replace the sick greased pig."

The National FUTURE FARMER *will pay $2.00 for each joke selected for publication on this page. Jokes must be submitted on post cards addressed to* The National FUTURE FARMER, *Alexandria, Virginia 22309. In case of duplication, payment will be for the first one received. Contributions cannot be acknowledged or returned.*

GET INTO THE TONY LAMA SPIRIT...

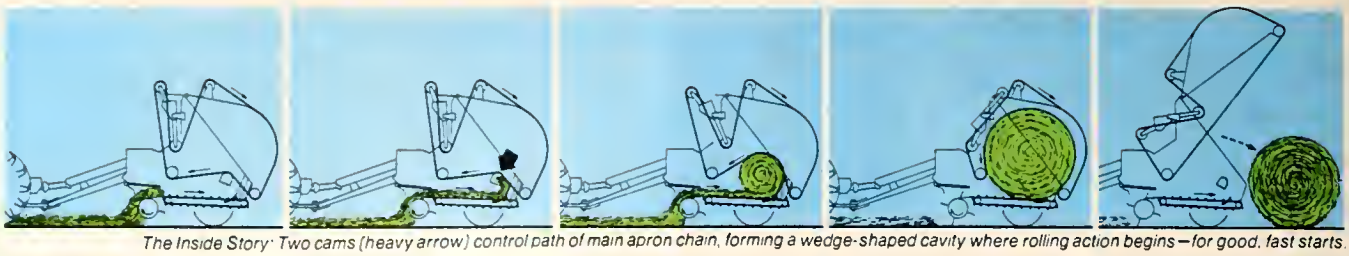
STOCK #7052 Ladies Boot in beige elephant grain foot and collar with treebark kittytan top. Coordinated beige elephant grain handbag **(#110H)**, belt **(#48649)** and buckle **(#4878)**. Belt and buckle are trimmed in fine white latigo buckstitching.



STYLE 83-R-4
Safari Antelope Foot,
Treebark Kittytan Top

Tony Lama® CO., INC.

P.O. DRAWER 9518 / EL PASO, TEXAS 79985



The Inside Story: Two cams (heavy arrow) control path of main apron chain, forming a wedge-shaped cavity where rolling action begins—for good, fast starts.

Good, fast starts every time! The reasons? For one, this Sperry New Holland Model 850 has famous Super-Sweep pickup. And steel apron chains—not belts—that move the hay firmly for fast reliable core formation. In a wide variety of crops, including legumes, grass hays, corn stalks, bean residue—even straw!

Every 4 minutes you'll turn out a big weather-resistant bale weighing up to 1,500 lbs

You can roll bales the way you like, too. With the density you want. And with this density remaining uniform from core to crust. You can also wrap bales the way you want by controlling both the tightness and the number of wraps. **What about moving bales?** Two special carriers are offered. Model 80 features an optional push-off bar. It loads into a truck or wagon. Model 85 transports up to 4 bales at a time.

The Model 85 (left) and Model 80 make it easy to move bales for feeding and storage

See your Sperry New Holland dealer. We're first in haymaking and he'll show you why: Quality workmanship that leads to long years of reliable performance.

SPERRY NEW HOLLAND

Sperry New Holland is a division of Sperry Rand Corporation.